

भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

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No. 5] NEW DELHI, SATURDAY, FEBRUARY 3, 1990 (MAGHA 14, 1911)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS
Calcutta, the 3rd January 1990

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, 3rd Floor, Lower Parel (West),
Bombay-400 013

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, 3rd Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi

Telegraphic address "PATENTOFIC".

1—447 GI/89

Patent Office Branch
61, Wallajah Road,
Madras-600 002

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Amindivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020

Telegraphic address "PATENTS".

Rest of India.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्य तथा अभिकल्प

कलकत्ता, दिनांक 3 फरवरी 1990

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रवर्धित हैं :—

पेटेंट कार्यालय शाखा,
टोडी इस्टेट
तीसरा तल, लोअर परले (पश्चिम),
बम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रवेश राज्य क्षेत्र
एवं संघ शासित क्षेत्र गोवा, वमन तथा दिव
एवं वादरा और नगर हुवेली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोलनाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश
राज्य क्षेत्रों एवं संघ शासित क्षेत्र
चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600 002.

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र
एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिनिक्काय तथा एमिनिदिचि द्वीप ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय भवन,
5, 6 तथा 7 वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स” ।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अर्पित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख
पेटेंट कार्यालय को केवल उपयुक्त कार्यालय में ही प्राप्त किए
जायेंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जायेगी
अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश
अथवा डाक आदेश या जहाँ उपयुक्त कार्यालय अवस्थित है; उस
स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक
ड्राफ्ट अथवा चेक द्वारा की जा सकती है ।

APPLICATIONS FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates
claimed Under Section 135, of the Patents Act, 1970.

The 22nd December, 1989

1056/Cal/89. The University of Western Australia. Process
for the production of metals, alloys and ceramic
materials.

(Convention dated 22nd December, 1988)
(Australia).

1057/Cal/89. E.I. Du Pont De Nemours and Company.
Improvements relating to bonded non-woven
polyester fiber structures.

1058/Cal/89. E.I. Du Pont De Nemours and Company.
Isomerization of saturated fluorohydrocarbons.

1059/Cal/89. Kramatorsky Industrialny Institut-User; Proiz-
vodstvennoe Obiedinenie "Nevsky Zabod" Imeni
V.I. Lenina-USSR and Proizvodstvennoe Obiedin-
eniye "Novokramatorsky Mashinostroitelny Zazod".

Ussr. Method for vibratory treatment of work-
pieces and a device for carrying same into
effect.

1060/Cal/89. Dr. Ing. Shyamal Goswami. Burner system
with flame safeguard.

1061/Cal/89. United Technologies Corporation. Fabrica-
tion technique for integrally bladed rotor assem-
bly.

1062/Cal/89. Indian Jute Industries' Research Association.
Mechanical tension controller for jute yarn.

The 26th December, 1989

1063/Cal/89. Hitachi Ltd. Control equipment and control
method of electric rolling stock.

1064/Cal/89. Ethicon, Inc. Ligating assembly for endos-
copic surgery ligature, and ligature manipulating
instrument for said assembly.

1065/Cal/89. Metallgesellschaft Aktiengesellschaft. Process
of feeding coal slurry filtration sludge.

1066/Cal/89. Neste Oy. Crosslinkable polymer composi-
tion.

The 27th December, 1989

- 1067/Cal/89. Hitachi Construction Machinery Co. Ltd. Hydraulic system for boom cylinder of working apparatus.
- 1068/Cal/89. Indian Jute Industries' Research Association. Improved sheeding mechanism.
- 1069/Cal/89. Sri Ranjit Kumar De. Solid control panel.

The 28th December, 1989

- 1070/Cal/89. Sri P. Vidyasagar, Dr. B. K. Satapathy and Sri S. C. Patnaik. Preparation of red oxide pigment and paint from red mud.
- 1071/Cal/89. Samsung Electron Devices Co., Ltd. Manufacturing method for red phosphor.

The 29th December, 1989

- 1072/Cal/89. Telefonica De Espana, S.A. Outdoor modular public telephone.

The 1st January, 1990

- 1/Cal/90 United Technologies Corporation. Gas turbine jet engine.
- 2/Cal/90. Steven Kaali and Peter Mag Schwolsky. Contraceptive device comprising electrified vaginal ring. (Convention dated 1st April, 1989) (No. GB-2213385) (United Kingdom).
- 3/Cal/90. Belorussky Politekhichesky Institut. Machine for cutting lateral fines on a heat exchanger element of rectangular cross section.
- 4/Cal/90. Nauchno-Issledovatel'sky Institut Khimikatov Diya Polimernykh Materialov USSR. Method of preparing stabilizer plasticizers based on glycidyl phenol esters for polyvinylchloride.
- 5 Cal/90. Ivano-Frankovsky Institut Nefti I Gaza USSR, Pulley.
- 6 Cal/90. Soava Corporation Powder coating composition.
- 7/Cal/90. Mcneil-Ppc, Inc. Process and device for manufacture of essentially cylindrical articles, especially tampones.
- 8/Cal/90. E. I. Du Pont De Nemours and Company. False twisted differential tension yarn.
[Divisional dated 8th January, 1987]
- 9/Cal/90. E.I. Du Pont De Nemours and Company. Improvements in texturing polyester yarns.
[Divisional dated 9th September, 1987]
- 10/Cal/90. Lanxide Technology Co. Lp. Method for producing a self supporting ceramic body with a modified metal containing component.
[Divisional dated 9th September, 1987]
- 11/Cal/90. Durametall Corporation. Bellows seal with vibration damper.
- 12/Cal/90. Thompson consumer electronics, Inc. Method of electrophotographically manufacturing a luminescent screen assembly for a crt.
- 13/Cal/90. Franz Welz Internationale Transporte G.m.b.H. A process for forming refrigerated atmosphere in a refrigerating tank for refrigeration of goods.
[Divisional dated 11th February, 1987]
- The 2nd January, 1990
- 14/Cal/90. Roy J. Weikert. Packaging system and method.
- 15/Cal/90. (1) Vitebsky Tekhnologicheskyy Institut Legkoi Promyshlennosti, USSR;
(2) Vsesojuzny Nauchno-Issledovatel'sky Institut Textilno-Galantereinoi Promyshlennosti USSR. Knitted mesh backing.
- 16/Cal/90. Tsentr Nauchno-Tekhnicheskogo Tvorchestva Molodezhi "Linax" USSR. Optical transistor.

17/Cal/90. Westinghouse Electric Corporation. Improvements in or relating to a system and method for cooling in a gas turbine.

18/Cal/90. Westinghouse Electric Corporation. Improvements in or relating to radial seal.

19/Cal/90. (1) Shri Om Prakash Agarwal, (2) Shri Vijay Sharan. Single Phase Induction Watt Hour meter in one range (i.e. 0-40 amps., or 0-80 amps.) Litted with Impulse counter which operates without using any external Electromagnet.

The 3rd January, 1990

20/Cal/90. Nauchno-Proizvodstvennoe Obiedinenie Po Sozdaniyu I Vypusku Sredstv Avtomatizatsii Gornykh Mashin USSR. System for remote control signal transmission and reception.

21/Cal/90. Institut Mekhaniki Metallopolimernykh Sistem Akademii Nauk Belorusskoi SSR USSR. Process for producing articles from wood-polymer materials.

APPLICATIONS FOR PATENTS FILED IN THE OFFICE BRANCH, AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-400 013

The 6th December, 1989

333/Bom/1989. Waggon Union GmbH. The arrangement of the axle bearing in a travelling gear for rail cars.

The 7th December, 1989

334/Bom/1989. Gerrard Thomas. An improved air plasma metal cutting torch.

335/Bom/1989. Suhas Madhukar Apte & Mrs. Mangale Madhukar Apte. A bag sealer or a bag sealing device to preserve food, fruits, meat and the like articles.

The 8th December, 1989

336/Bom/1989. Dhondiram Balvant Potdar. Krishivikas Yantra.

The 11th December, 1989

337/Bom/1989. Ravi Shankar Ramkishan Shukla. Chalut Chitrapat Machine.

338/Bom/1989. Sunil Mahadeo Kate. Indegenious locking mechanism of container lid of spray gun.

339/Bom/1989. Azhar Samud Karrim. A board game.

340/Bom/1989. Subhanjan Mohanty. A process of manufacturing high compressibility iron powders.

341/Bom/1989. Sailendra Rabindranath Baliga. An improved cupboard, which is foldable into a brief/suit case.

342/Bom/1989. Crompton Greaves Ltd. An aluminium alloy impeller for use in a monoblock water pump.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 11th December, 1989

910/Mas/89. Happy Valley Combines (P) Ltd. Improvement in or relating to N-3 cooking unit under the trade point or name (N-3).

911/Mas/89. Polysar Limited. Novel ethlene-propylene copolymer.

912/Mas/89. Cabot Corporation. Aqueous Colloidal dispersion of fumed silica without a stabilizer.

(4)

913/Mas/89. Hoechst Aktiengesellschaft. Process for the preparation of 2-mercapto-4-methyl-1, 3-thiazol-5-yl-acetic acid and esters thereof.

An opposition has been entered by Vikram Forgings & Allied Industries Private Limited to the grant of a Patent on application No. 164989 made by Trade & Industry Private Limited.

914/Mas/89. Maschinenfabrik Rieter AG. Cleaning machine for textile fibres.

PATENTS SEALED

915/Mas/89. Rhone-Poulenc Chimie. Adsorbent for purifying polyolefins and its manufacture.

The 12th December, 1989

916/Mas/89. A. Lakshminarayana & M. Kamesh Prabhu. Cooking gas stove.

917/Mas/89. Hoogeveens Groep B.V. Handling molten materials.

918/Mas/89. F. L. Smijth & Co. A/S. Method and apparatus for producing cement clinker. (January 18, 1989; Great Britain).

919/Mas/89. Maschinenfabrik Rieter AG. Cleaning machine for textile fibres.

920/Mas/89. Merlio Gerip. Operating mechanism of a multipole differential switch with a rotary switching bar.

The 13th December, 1989

921/Mas/89. Tinytop Appliances Private Limited. Centrifugal pump with novel diffuser.

922/Mas/89. M. R. Chandramohanam. A general proof of Fermat's last theorem.

923/Mas/89. Minnesota Mining and Manufacturing Company. A vehicle for water-based ink compositions.

924/Mas/89. Savio S.p.A. Process and apparatus for controlling distribution of thread on a package in a collection unit for synthetic threads.

The 15th December, 1989

925/Mas/89. Union Oil Company. Stabilised solid thiocarbonate compositions and methods for making same.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by Steelworth Private Limited to the grant of a patent on application No. 164982 made by Trade & Industry Private Limited.

(2)

An opposition has been entered by Vikram Forgings & Allied Industries to the grant of Patent on application No. 164982 made by Trade & Industry Private Limited.

(3)

An opposition has been entered by M/s. Steelworth Private Limited to the grant of a Patent on application No. 164989 made by Trade & Industry Private Limited.

164412	164424	164425	164450	164451	164452	164454
164453	164479	164481	164495	164498	164502	164508
164527	164572	164583	164605	164606	164607	164608
164609	164614	164619	164620	164663	164678	164690
164691	164695	164699	164700	164724	164725	164726
164727	164728	164734	164735	164743	164753	164754
164756	164759	164761	164764	164766	164769	164774
164776	164777					

CAI - 27

DEI - 20

MAS - 3

BOM - 1

NUMBER OF PATENTS SEALED FROM 1ST DECEMBER, 1989 TO 31ST DECEMBER, 1989

INDIAN : 41
FOREIGN : 146

TOTAL : 187

AMENDMENT PROCEEDINGS UNDER SECTION 57 OF THE PATENTS ACT, 1970

Notice is hereby given that Metal Box Public Limited Company, a British Company of Queens House, Forbury Road, Reading, Berkshire, RG1 3JH, England have made an Application under Section 57 of the Patents Act, 1970, for amendment of the Application, Specification and drawing of their Patent Application No. 165092 for "A PROCESS OF MAKING A SEALED CONTAINER".

The amendments are by way of correction. The application for amendment and proposed amendments can be inspected free of charge at the Patent Office, 61, Wallajah Road, Madras-600 002 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendments may file a Notice of Opposition on prescribed Form-30 within 3 months from the date of the Notification, at the Patent Office, Madras.

If written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments under Section 57 of the Patents Act, 1970 proposed by Shri Amitava Ghosh Dastidar in respect of application for Patent No. 154685 as advertised in III Sec. 2 of the Gazette of India dated the 13th May 1989 have been allowed.

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by Westinghouse Electric Corporation in respect of application for Patent No. 162010 as advertised in Part III, Section 2 of the Gazette of India dated the 13th May, 1989 have been allowed.

RENEWAL FEES PAID

142877	145599	145814	146026	146074	146570	146820
146851	146951	147090	147172	147423	147516	147567
147603	147851	148054	148198	148474	148915	149124
149163	149244	149386	149606	149638	149882	149894
149902	150018	150029	150074	150127	150359	150499
150732	150767	150933	151113	151376	151506	151549
151765	151789	151945	151961	152122	152163	152202
152278	152292	152888	152922	153247	154034	154071
154114	154152	154368	154524	154526	154539	154540
154817	154947	155244	155266	155284	155571	155662
155954	155959	156010	156143	156166	156508	156581
156588	156677	156743	156747	156766	156964	156970
157175	157217	157465	157572	157628	157722	157822
157830	158003	158038	158157	158159	158394	158395
158412	158415	158632	158714	158753	159038	159195
159356	159560	159610	159938	160250	160316	160368
160423	160594	160596	160636	160643	160644	160725
160730	160731	160732	160918	160920	160968	160983
161092	161099	161198	161254	161314	161315	161365
161403	161537	161654	161735	161746	161767	161883
161884	161948	161967	161994	162049	162052	162053
162135	162183	162208	162223	162234	162235	162435
162475	162565	162984	162985	163013	163041	163044
163061	163080	163130	163132	163154	163155	163156
163194	163195	163204	163206	163298	163300	163310
163353	163410	163497	163507	163508	163547	163573
163608	163632	163634	163688	163721	163728	163753
163754	163772	163773	163774	163775	163776	163783
163872	163833	163986	163988	164072	164157	164192
164234	164235	164236	164242	164306	164329	164331
164389	164504	164506	164536	164644	164647	164648
164664	164665	164667	164668	164682	164684	164685
164686						

CESSATION OF PATENTS

146497 160617 163320 163619.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Copied or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charge, per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अधि जो उक्त 4 महीने की अधि की समाप्ति के पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अधि से अधिक न हो के भीतर कभी भी नियंत्रक, एकत्र को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तराष्ट्रीय वर्गीकरण के अनुरूप है।"

नीचे सूचीगत विनिर्देशों की सीमित संख्या में मुद्रित प्रतियां, भारत सरकार बूक डिपो, 8 किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग-पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों; के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता, द्वारा विहित लिप्यान्तरण प्रभार (उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश को पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

CLASS : 40-F

165861

4 Claims

Int. Cl. : G 01 n 3/50.

AN OPTICAL CELL AND DETECTOR ASSEMBLY FOR SPECTROPHOTOMETRIC ANALYSING APPARATUS.

Applicant : SHIELDS INSTRUMENTS LIMITED, OF WHELDRAKE, YORK YO4 6NA, UNITED KINGDOM.

Inventor : JOHN SHIELDS.

Application No. 807/Cal/1986 filed November 13, 1985.

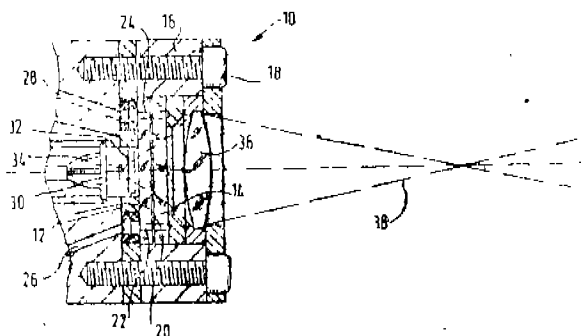
Convention dated 13th November, 1984 (No. 8428660) and 17th April, 1985 (No. 8509875) (Both are U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An optical cell and detector assembly for a spectrophotometric analysing apparatus which comprises :

- a sample cell having walls of optically transparent material defining a sample cavity between them and having closely adjacent the sample cavity a radiation detector so as to reduce the path length of the radiation and adjacent an opposite wall of sample cell a lens provided to focus radiation passing through the cell on to the detector.



Compl. specn. 17 pages

Drg. 1 sheet

CLASS : 40-E

165862

Int. Cl. : B 01 d 53/24.

GAS-WATER SEPARATOR.

Applicant : TLV CO. LTD., OF HIBIYA KOKUSAI BLDG., 8F, 2-3, UCHISAIWAI-CHO, 2-CHOME, CHIYODA-KU, TOKYO, 100, JAPAN.

Inventor : (1) KATSUJI FUJIWARA. (2) TAKESHI YOKOYAMA.

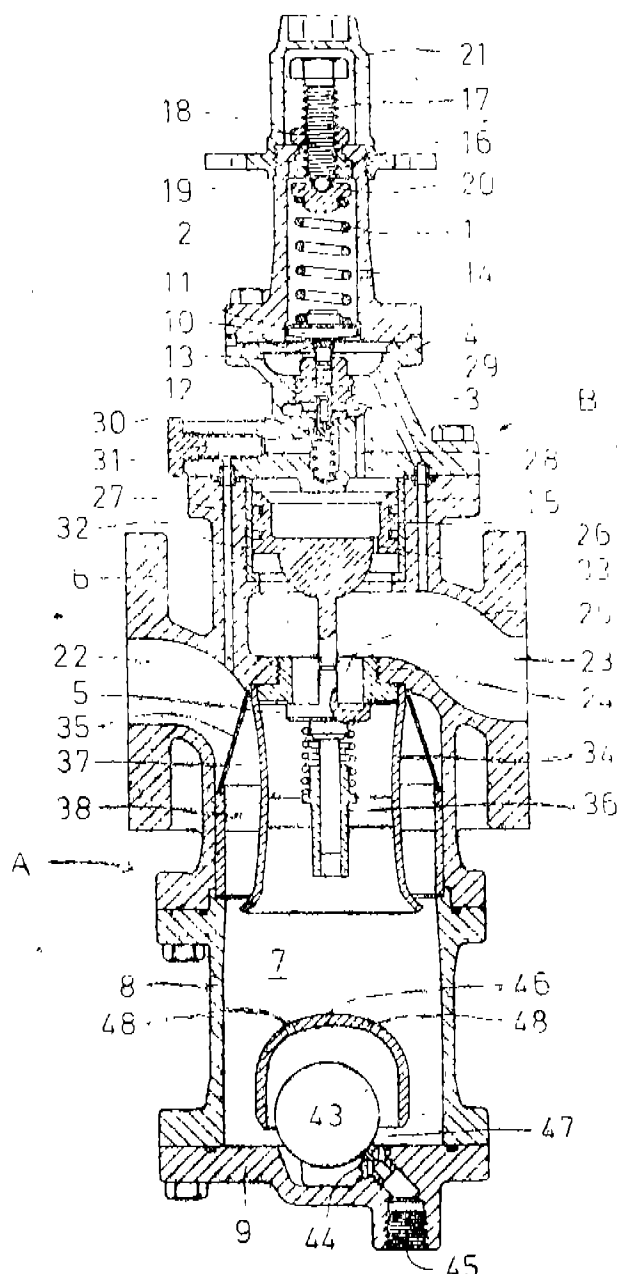
Application No. 32/Cal/1986 filed January 17, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A gas-water separator in which cylindrical partition wall member is disposed in an upper portion within a casing to form an annular space between the partition wall member and the casing located outside the partition wall member;

rotary vanes are disposed in the annular space; and

upper and lower portions of the annular space and an inside bore of the partition wall member are connected to an inlet side, a drain valve portion and an outlet side, respectively, said gas-water separator including obliquely downwardly inclined walls and spiral walls each projecting outward gradually from an upper end of each said inclined wall toward a lower end thereof and connected stepwise to a radial end wall at the lower end of the inclined wall, said inclined walls and spiral walls being formed on an outer peripheral wall of said partition wall member.



Compl. specn. 18 pages

Drg. 3 sheets

Int. CLASS : A 01 m 23/00

165863

RODENT TRAP.

Applicant & Inventor : MELVIN MILLARD MELTON,
OF 120 VIA ZAPATA, SAN CLEMENTE, CALIFORNIA-
92672, U.S.A.

Application No. 42/Cal/1986 filed January 21, 1986.

Convention dated 7th October, 1985 (No. 8524666) (Great Britain).

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

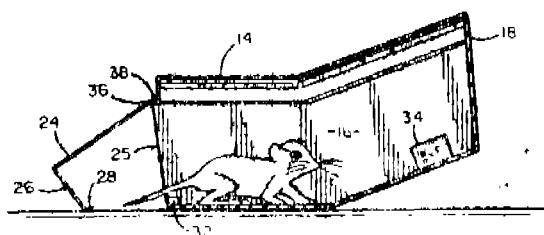
21 Claims

A rodent trap comprising :

a container having an opening for permitting entry by a rodent;

said container having at least two bottom surfaces oriented at an outuse angle relative to one another whereby said opening is elevated when said container rests on a first of said bottom surfaces and said opening is not elevated when said container rests on the second of said bottom surfaces, and a hinged door;

said door being adapted to close said opening when said opening is elevated and to remain elevated from said opening is not elevated.



Compl. specn. 26 pages

Drg. 5 sheets

CLASS : 157-D. 6-C

165864

Int. Cl. : E 01 b 9/00.

FASTENING ARRANGEMENT FOR FASTENING A RAIL TO A SLEEPER.

Applicant : VOSSLOH-WERKE GMBH, POSTFACH
(P.O. BOX) 1860, 5980 WERDOHL 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) HELMUT EISENBERG, (2) HENNING VON HEIMBURG, (3) FRIEDHELM WEBER, (4) ACHIM BESTE, (5) DIRK VORDERBRUCK.

Application No. 156/Cal/1986 filed March 03, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A fastening arrangement for fastening a rail to a sleeper, comprising :

an anchoring part (20) with a lower part (21) for fastening to the sleeper and a locating part (22) that includes a hole (24) extending, in use, in the longitudinal direction of the rail and a supporting surface (23) pointing in the same direction.

a clamp (9, 10) produced from a resilient steel bar with multiple bends featuring—when viewed in assembled condition;

an essentially straight first section (11) that is essentially horizontal;

several subsequent curved sections (12, 13); and

a last section (14) that lies on the side of the first section (11) that faces the rail;

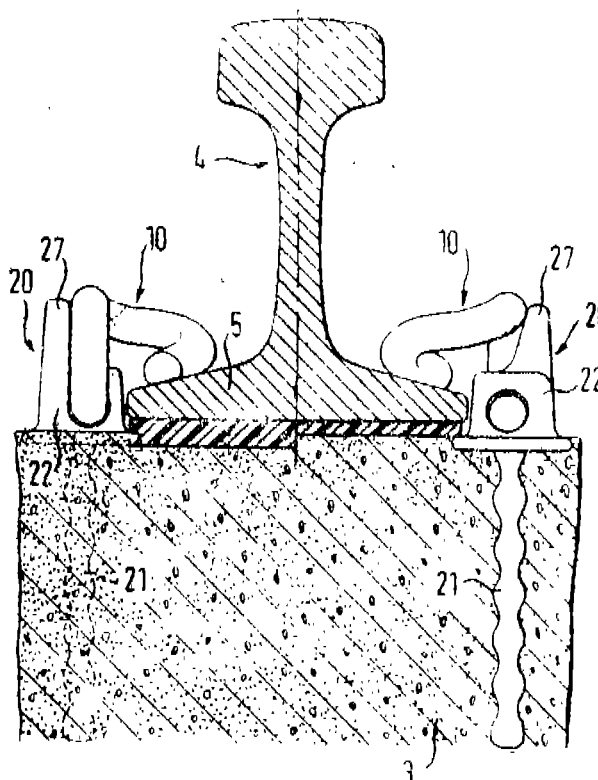
where the first section (11) of which, extending, in use, in the longitudinal direction of the rail, is inserted into one end of the hole while the last section (14) rests, in use, against the upper side of the rail flange and an intermediate section (12 or 13) against the supporting surface;

characterized in that—

the supporting surface (23, 26) of the locating part (22) is arranged essentially vertically above the hole (24); and

the clamp (9, 10) is a clamp (9, 10) where the second section (12) is curved upwards in a vertical plane passing through the first section (11) and all subsequent sections of the clamp (9, 10) lie on the side of the first section (11) that faces, in use, the rail (4); and

the clamp (9, 10) rests against the supporting surface (23, 26) with a section (12, 13) that lies in the vertical plane above the first section (11).



Compl. specn. 30 pages

Drg. 6 sheets

Int. CLASS : H 04 n 9/68

165865

A COLOUR DISPLAY DEVICE.

Applicant : OY LOHJA AB, OF 08700 VIRKKALA, FINLAND.

Inventor : MR. TUOMO SUNTOLA.

Application No. 164/Cal/86 filed March 05, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Color display device comprising :

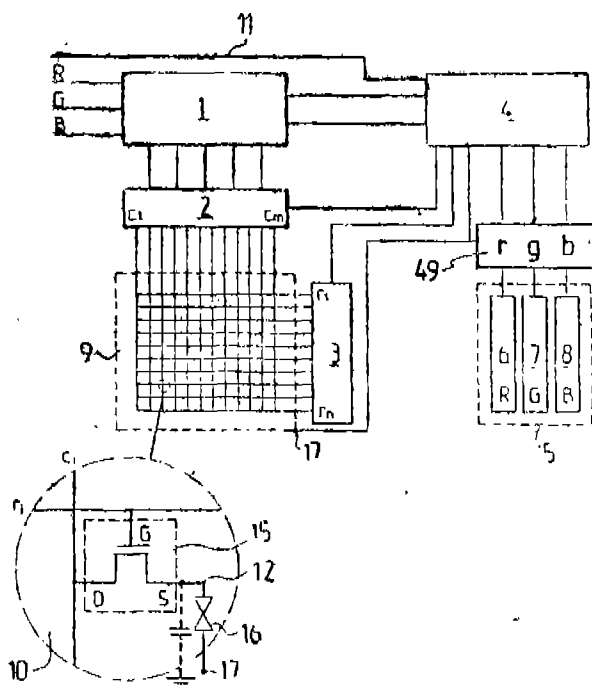
at least two light gates as display elements;

a light source system at the rear of the display, constructed for emitting at least two different primary colors (R.G.B.); and

control circuits for controlling the transmission of each light gate according to desired control signals, wherein;

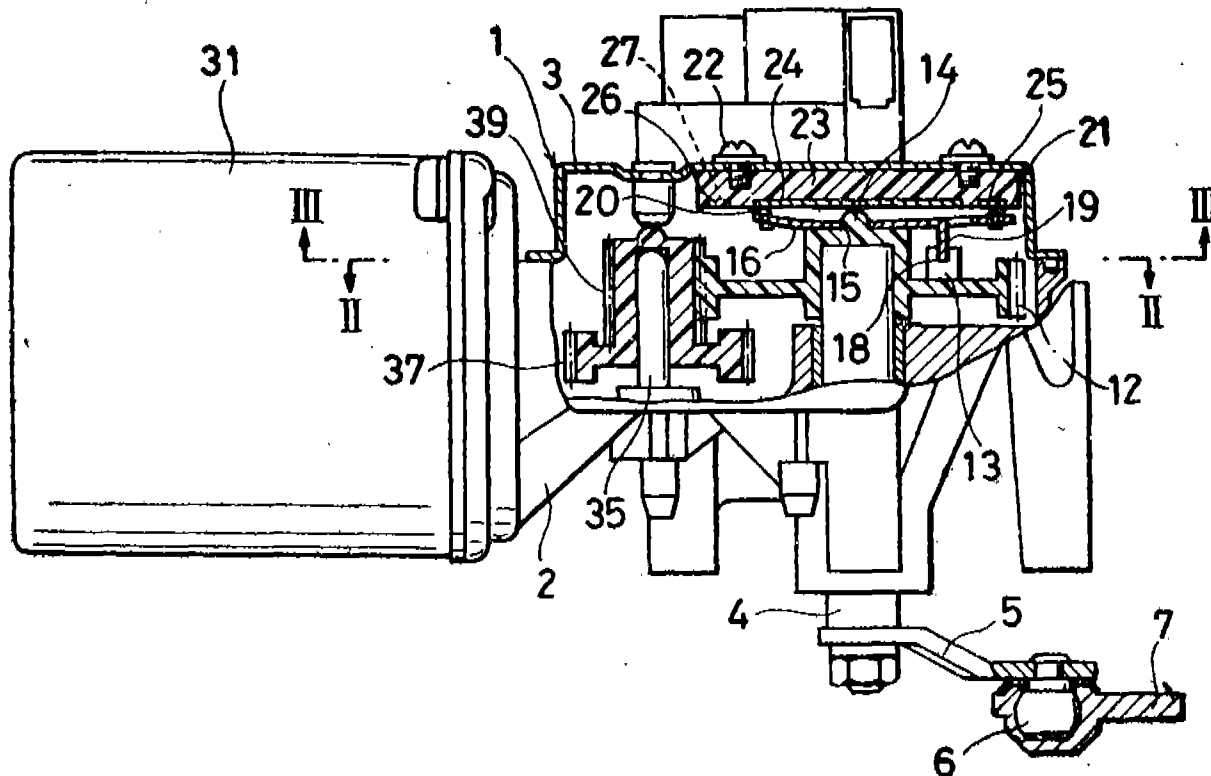
the color display comprises a synchronization section, constructed to activate at a repetition frequency of at least 25 Hz individually and sequentially the primary colors (R.G.B.) of the light source system; and

control circuits are constructed to drive each light gate synchronously with the synchronization section so that when any of the primary color (R.G.B.) sources is in the activated state the transmitted light intensity via the corresponding light gate is respectively proportional to the magnitude of the primary color component in the additive color, generated by the light gate.



Compl. specn. 24 pages

Drg. 7 sheets



CLASS : 26

165866

Int. Cl. : B 60 s 1/04, 1/42.

WIPER DRIVING UNIT.

Applicant : MITSUBA ELECTRIC MANUFACTURING CO. LTD., OF 2681, HIROSAWACHO 1-CHOME, KIRYU, GUNMA, JAPAN.

Inventors : (1) AKIRA KAMIYAMA, (2) MASAHIRO YAMADA, (3) KATSUYOSHI KITADA.

Application No. 214/Cal/1986 filed March 18, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta-20.

12 Claims

A wiper driving unit comprising :

a driver gear driven by a motor, for driving a wiper;

a clutch member formed of a conductive resilient plate material and rotatably provided in a manner to rotate together with said driving gear in one direction of rotation of said driving gear;

engagable means for transmitting a driving force from said driving gear to said clutch member such that said clutch member can rotate together with said driving gear in said one direction only when said driving gear is rotated in said one direction by said motor;

conductor plates connected to an electric circuit of said motor; and

first switch for said motor, wherein said clutch member rotates in sliding contact with said conductor plates, such that, when the first switch is turned off, said clutch member and said conductor plates form part of the electrical circuit of said motor to thereby constitute a second switch which opens the electric circuit of said motor to stop a blade of said wiper at a predetermined home position.

Compl. specn. 25 pages

Drg. 4 sheets

CLASS : 55-E₂; E₄

165867

Int. Cl. : A 61 k 35/00.

A PROCESS FOR THE PREPARATION OF PHARMACEUTICALLY ACTIVE HYALURONIC ACID SALTS.

Applicant : FIDIA, S.p.A., OF VIA PONTE DELLA FABBRICA, 3/A, 35031 ABANO TERME, ITALY.

Inventors : (1) FRANCESCO DELLA VALLE, (2) AURELIO ROMEO, (3) SILVANA LORENZI.

Application No. 248/Cal/1986 filed March 27, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for the preparation of a pharmaceutically active hyaluronic acid salt which comprises :

- (a) combining an aqueous solution of a barium salt of hyaluronic acid with a sulfate of the required pharmaceutically active substance; and
- (b) separating the precipitated barium sulfate to obtain the hyaluronic acid salt in aqueous solution.

Compl. specn. 80

Drg. Nil

Int. CLASS : A 61 k 7/00

165868

A PROCESS FOR THE PRODUCTION OF CAMOMILE DRUG FROM TETRAPLOID AND BISABOLOL-RICH CAMOMILE OF IMPROVED QUALITY.

Applicant : DEGUSSA AKTIENGESellschaft, OF 6000 FRANKFURT AM MAIN, WEISSFRAUENSTRASSE 9, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. HABIL CHLODWIG FRANZ, 2. OTTO ISAAC.

Application No. 255/Cal/1986 filed March 31, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An improved process for the preparation of active principle from camomile flowers by solvent extraction of camomile plant flowers characterized in that said extraction is carried out using the dried flowers as herein described of the camomile plant, said flowers being only those which in the dried state contain at least 100 mg % chamazulen, at least 200 mg % (-)- α -Bisabol and less than 50 mg % of other Bisaboloides with reference to the dry substance at 40°C, the said flowers being of plants of the tetraploid camomile variety as herein described having the above characteristics.

Compl. specn. 45 pages

Drg. Nil

CLASS : 195-D

165869

Int. Cl. : F 16 k 25/00.

VALVE FOR A STEAM TURBINE AND METHOD OF ITS MANUFACTURE.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : (1) SURYAKANT KARSANLAL DAWA-WALA, (2) BERNARD LOUIS LA COSTE.

Application No. 269/Cal/1986 filed April 02, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

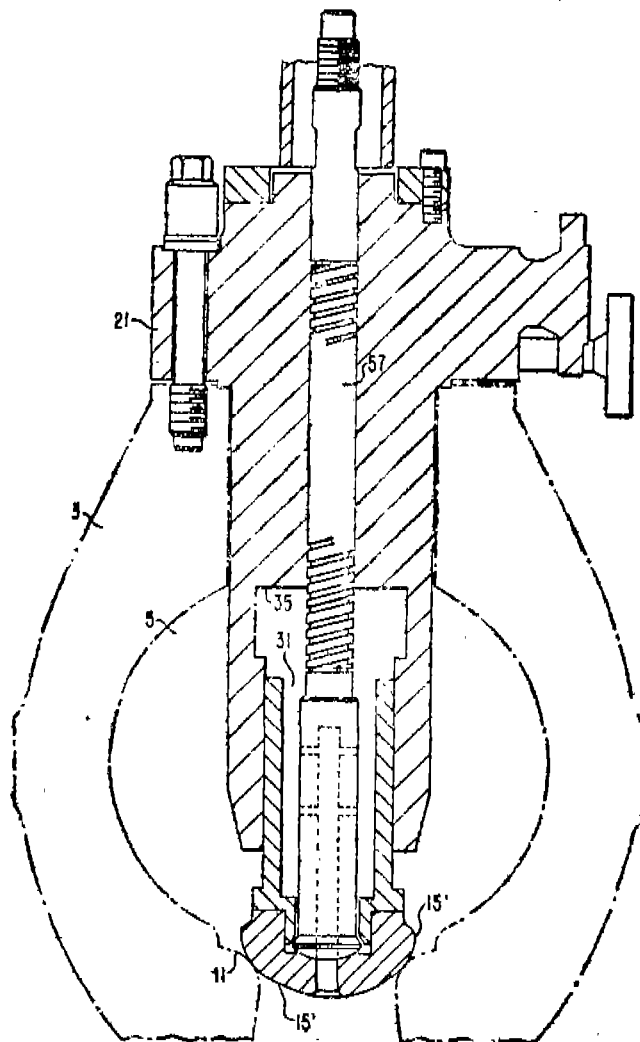
12 Claims

A valve for steam turbines comprising :

- a toroidal shaped seat,
- a cylindrical stem;
- a mushroom shaped plug extending from said stem;

said mushroom shaped plug having a dome portion that mates with said toroidal shaped seat to close off the flow of fluid flowing through said valve; and

said plug also having a frustoconical portion with a large diameter end and a small diameter end so disposed in said dome portion that said frusto-conical portion mates with said toroidal seat to close off the flow of fluid flowing through said valve and said frustoconical portion encompasses an included angle of about 68° in order to reduce flow induced vibrations and noise as fluid flowing between said seat and plug reaches sonic velocity.



Compl. specn. 9 pages

Drg. 5 sheets

CLASS : 206-E

165870

Int. Cl. : H 04 b 1/02.

AN IMPROVED TRANSMITTER WHICH CAN BE TURNED OVER WIDE FREQUENCY BAND.

Applicant : SIEMENS AKTIENGESellschaft, OF WITTELSBACHERPLATZ 2, D-8000, MÜNCHEN 2, WEST GERMANY.

Inventors : (1) HELMUT FUNFGELDER, (2) DIETER OCHSMANN, (3) JOHANN-GERHARD ZIRWAS.

Application No. 344/Cal/1986 filed May 01, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

An improved transmitter which can be turned within a wide frequency band, in particular a short-wave transmitter, and being of the type comprising a transmitter end stage output, a transmitter output and a filter arrangement connected between the transmitter end stage output and the transmitter output, and in which the filter arrangement comprises sub-filters each assigned to a specific sub-frequency range of the wide frequency band, and in which the sub-filters can be selectively switched into the signal path via respective input and output relay connected in series therewith in dependence on the transmitter operating frequency in order to suppress undesired harmonics of the transmitter operating frequencies for frequency jump operation the improvement wherein:

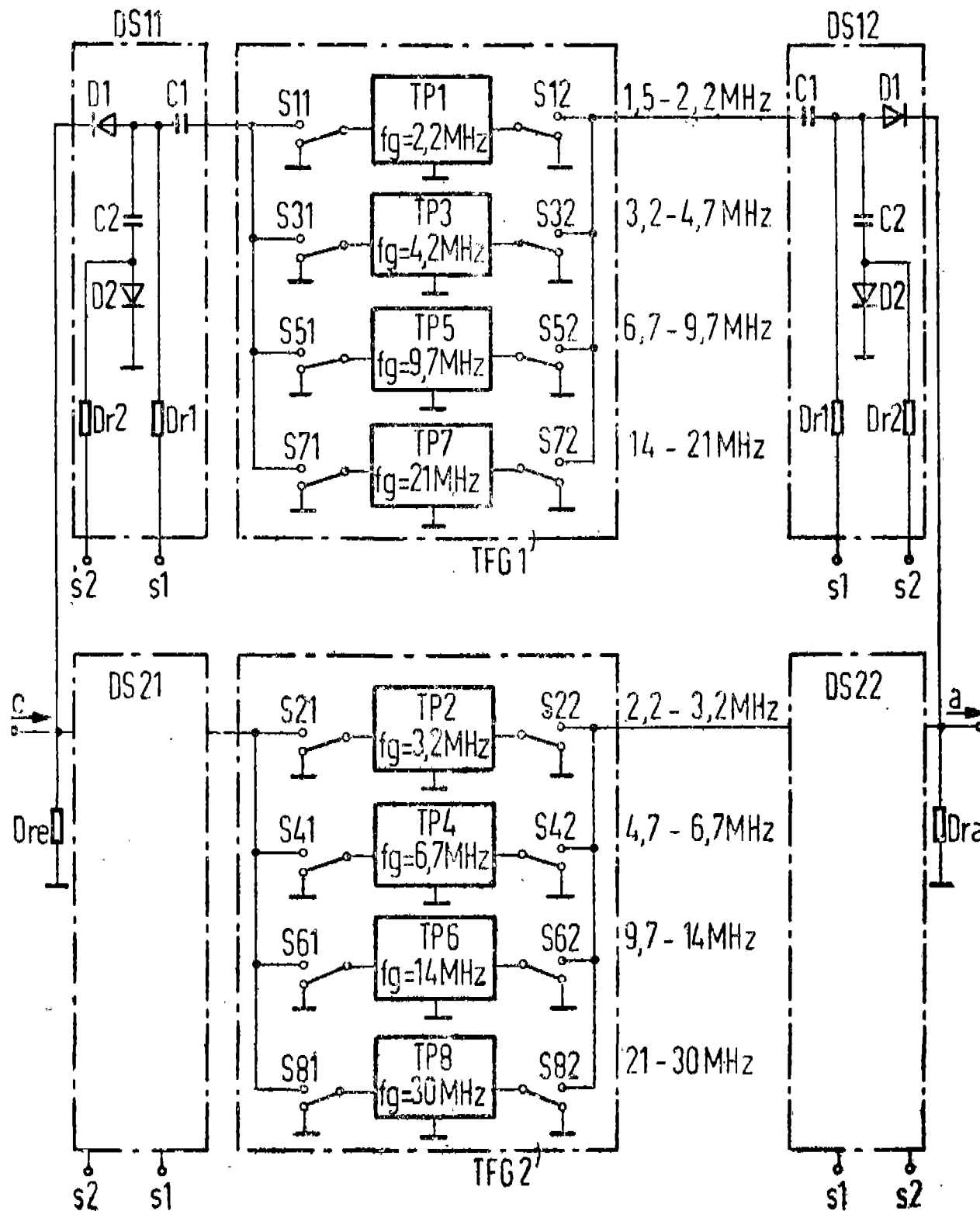
the sub-filters and their respective input and output relays are divided into at least two groups in which the input relays of each group are connected to a

common input terminal and the output relays of each group connected to a common output terminal, the division into groups being such that, independently of the selected position of the sub-frequency range as a jump frequency interval, the jump frequency interval always occurs within a sub-frequency range that requires connection of a sub-filter from each group into the signal path if the jump traverses more than the frequency range of one sub-filter; and

a plurality of input electronic switches connecting respective ones of said common input terminals to the transmitter end stage output and a plurality of output electronic switches connecting respective ones of said common output terminals to the transmitter output, each of said common output terminals to the transmitter output, each of said input and output electronic switches including control inputs for receiving operating control signals.

Compl. specn. 14 pages

Dr. 3 sheets



Int. CLASS⁴: F 16 D 65/14; 65/32

165871

WEDGE-SHAPED BRAKE ACTUATING DEVICE.

Applicant : AKEBONO BRAKE INDUSTRY CO., LTD.
OF NO. 19-5, KOAMI-CHO, NIHONBASHI, CHUO-KU,
TOKYO, JAPAN, A JAPANESE COMPANY.

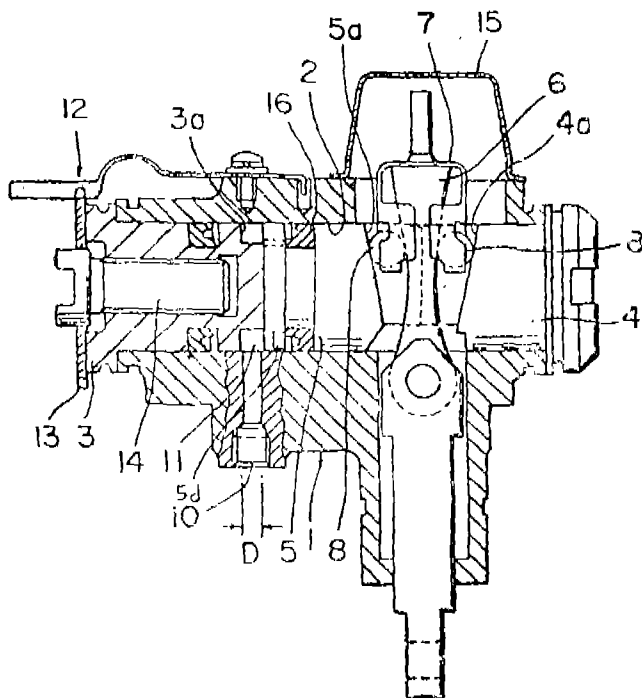
Inventor : MISAO SAKAMURA.

Application No. 591/Mas/85 filed July 30, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

A wedge-shaped brake actuating device characterized in that, in the wedge-shaped brake actuating device which has a pair of outer plungers fitted into both outer ends of the cylinder of housing respectively so as to slide freely, an inner plunger fitted into said cylinder so as to slide freely with a cup seal being attached circularly to a ring groove and capable of being contacted with one outer plunger as well as forming the fluid-pressure chamber therewith, a wedge put between the slanted side of said inner plunger and that of other outer plunger and an oil pit provided by drilling through the housing at the place near the contact face of one outer plunger with said inner plunger, the side end portion of the contact face of aforementioned inner plunger is formed with a circular sectional portion, while the thickness of the circular sectional portion at correspondent portion to aforementioned oil pit is allowed to be smaller than the diameter of said oil pit to form the notch positions connected to aforementioned ring groove and small holes allowing the ring groove to communicate to the fluid-pressure chamber are formed through the circular sectional portion.



Compl. specn. 11 pages

Drg. 4 sheets

Int. CLASS⁴: D 21 1/10, 5/00

165872

A PRESSURE SATURATOR FOR IMPREGNATING A SUBSTRATE WITH A SATURANT AND A METHOD FOR THE SAME.

Applicant : MIPLY EQUIPMENT INC. A CORPORATION OF THE STATE OF INDIANA UNITED STATES OF AMERICA OF CITY OF SOUTH BEND STATE OF INDIANA UNITED STATES OF AMERICA.

Inventor : HOWARD K. MENSER.

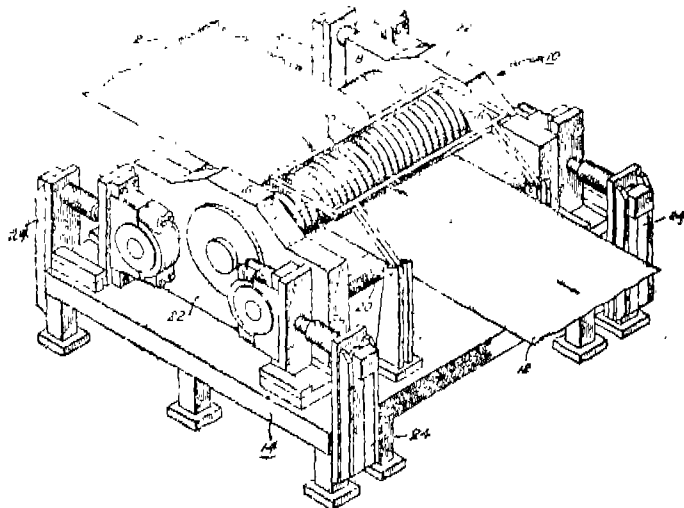
Application No. 619/Mas/85 filed 7th August 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Madras Branch.

15 Claims

A pressure saturator for impregnating a substrate with a saturant comprising :

- a block member having a first surface;
- conveying means for moving the substrate into and out of said saturator;
- a mandrel rotatably disposed between said conveying means with a selected portion thereof cooperating with the first surface of the block member to define a chamber between the first surface and the mandrel to receive the substrate, and
- means for supplying a saturant to the chamber;
- said chamber having a generally converging depth in the direction of travel of the substrate with a relatively deeper entrance region and a relatively shallower exit region for generating a higher pressure in the saturant in the exit region than the entrance region in order to force the saturant into the substrate.



Compl. specn. 19 pages

Drg. 3 sheets

Int. CLASS⁴: D 01 H 7/882

165873

METHOD AND APPARATUS FOR PRODUCING A YARN.

Applicant : MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventors : (1) EMIL BRINER, (2) URS KELLER, (3) HERBERT STALDER.

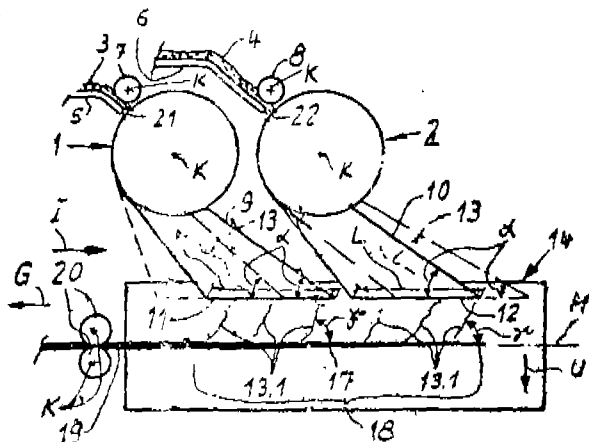
Application No. 627/Mas/85 filed August 13, 1985.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Madras Branch.

28 Claims

Method for producing a yarn (19) characterised in that the fibres (13, 13.1, 13.2) are separated from a fibre strand (3, 4) and are for forming the yarn at two or more fibre delivery positions (11, 12, 56, 57, 70, 71, 80, 81, 98, 99) transferred to at least one friction spinning

yarn (14, 50, 90, 91) at which spinning means the yarn is formed at at least one yarn formation position (18, 59, 92, 93) and the spun yarn is withdrawn in a predetermined direction (G), the friction spinning means having a perforated surface (not shown) through which an airstream (not shown) is drawn by suction, by means of which the fibres are transferred to this surface, and wherein the fibres are transferred in the same direction to the friction spinning means and in that the fibre delivery positions (11, 12; 56, 57; 70, 71; 80, 81; 98, 99) viewed in the yarn withdrawal direction, are arranged one after the other.



Compl. specn. 24 pages

Drg. 8 sheets

Int. CLASS⁴: H 03 K 17/60

165874

A DRIVER UNIT FOR A THREE-STATE GATE ARRAY USING LOW DRIVING CURRENT.

Applicant : TANDEM COMPUTERS INCORPORATED, A DELAWARE CORPORATION OF 19333 VALLCO PARKWAY, CUPERTINO, CALIFORNIA 95014, U.S.A.

Inventor : HSIENCHIN W. WANG.

Application No. 634/Mas/85 filed August 14, 1985.

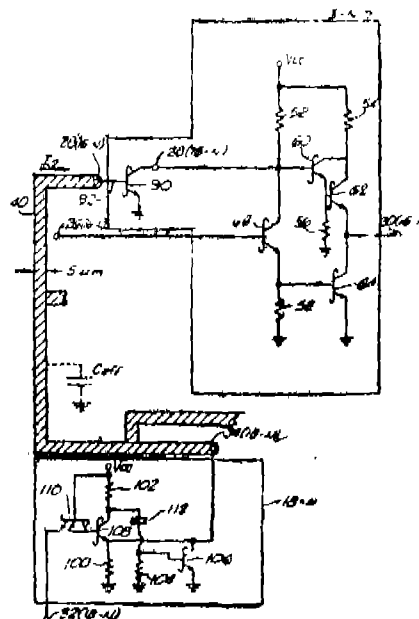
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

12 Claims

A driver unit for simultaneously setting a plurality of output buffers of a three state gate array into and out of a floating third state with low driving current said unit comprising :

- a plurality of buffer driver transistors, one for each output buffer, with each buffer driver transistor having a primary current path coupled to a third state control input of a respected output buffer, and each buffer driver transistor further having a control electrode;
- a first resistor;
- a common driver transistor having a primary current path coupled to ground through said first resistor;
- conductor means for connecting the junction of said common driver transistor primary current path and said first resistor to the control electrode of each of said buffer driver transistors;
- clamp means for discharging said conductor means to ground upon turn-off of said common driver transistor, said clamp means including a clamp transistor having a primary current path coupled between said conductor means and ground and having a control electrode; said clamp means further comprising differentiator means, coupled to said common driver transistor for detecting the leading edge of turn-off of said common driver

transistor and further coupled to said control electrode of said clamp transistor for momentarily turning on said clamp transistor upon said detecting of said leading edge and thereby rapidly clamping said conductor means to ground.



Compl. specn. 18 pages

Drg. 3 sheets

Int. CLASS⁴ : B 01 J 8/24; 8/34

165875

AN IMPROVEMENT IN FLUIDIZED BED POLYMERIZATION REACTOR.

Applicant : UNION CARBIDE CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK, OF OLD RIDGEBURY, DANBURY, STATE OF CONNECTICUT 06817, U.S.A.

Inventors : (1) SEUNG JOON RHEE, (2) LARRY LEE SIMPSON.

Application No. 659/Mas/85 filed August 23, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

12 Claims

An improved fluidized bed polymerization reactor having distributor plate means below the fluidized bed region containing a mixing chamber within said reactor in the region below said distributor plate means and one or more entry means at or near the base of said reactor for passage of fluid into said reactor and through said mixing chamber, the improvement which comprises at least one flow deflector means positioned in said mixing chamber and associated with at least one of said entry means, said flow deflector means having at least two fluid flow paths, a first fluid flow path along the wall of said mixing chamber, and a second upwardly oriented fluid flow path wherein, in operation, solid particles, if any, in or coming into said second flow path are carried upward; whereby the solid particle build up of such solid particles on the wall of the said mixing chamber is inhibited and the accumulation of liquid in said mixing chamber is also inhibited.

Compl. specn. 39 pages

Drg. 4 sheets

Int. CLASS⁴ : B 65 D 41/34

165876

A CLOSURE FOR A FINISH OF A CONTAINER HAVING A NECK RING.

Applicant : OWENS-ILLINOIS CLOSURE INC, A DELAWARE CORPORATION, U.S.A., OF ONE SEAGATE, TOLEDO, OHIO 43666, U.S.A.

Inventor : MICHAEL ALLEN LININGER.

Application No. 660/Mas/85 filed August 23, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

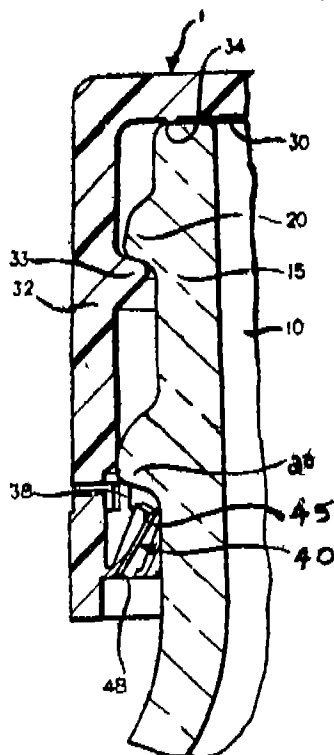
16 Claims

A closure for a finish of a container having a neck ring, the closure comprising :

a cap and an annular tamper resistant band member connected to the bottom of the cap with a series of frangible break-away bridges that attach the tamper resistance band member to the cap;

the member comprising an annular band integral with the bridges and a lower wedge-shaped glass-finish contacting member that bends upwardly like a fishhook when the cap is applied to the finish;

the outer end portion of the contacting member being wider and thicker than the portion nearer the band for greater contact of the end portion against the neck ring of the glass finish.



Compl. specn. 14 pages

Drg. 3 sheets

Int. CLASS⁴ : B 22 C 1/16

165877

PROCESS FOR MAKING FOUNDRY CORES AND MOLDS.

Applicant : ACME RESIN CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 1401 CIRCLE AVENUE, FOREST PARK, ILLINOIS 60130, U.S.A.

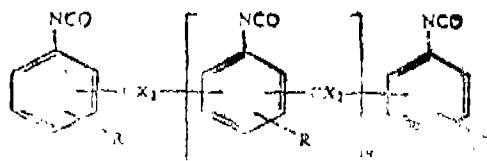
Inventor : ROBERT ANTON LAITAR.

Application No. 661/Mas/85 filed August 23, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

A process for making foundry cores and molds which comprises admixing aggregate material, such as foundry sand or the like, and from 0.7% to 6.0% by weight of the mixture of a binder composition, shaping the admixture and allowing the mixture to cure until the reaction between the components is substantially complete, wherein the binder composition comprises an alkoxy-modified phenolic resole resin prepared from a phenol, formaldehyde and a primary or secondary aliphatic alcohol having from 1 to 8 carbon atoms, said resin containing at least one alkoxy-methylene group for every six phenolic nuclei, wherein the



alkoxymethylene groups have the general formula $-(CH_2O)_nR$ where n is a small positive integer and R is the alkyl group of the aliphatic alcohol, and wherein the preponderance of the bridges joining the phenolic nuclei of said resin are ortho-ortho benzylic ether bridges;

an isocyanate having a functionality of two or more; and sufficient tertiary amine catalyst to catalyze substantially completely the reaction between the resole resin and the isocyanate.

Compl. specn. 33 pages

Drg. 1 sheet

Int. CLASS⁴ : B 02 C 15/00; B 22 F 9/04

165878

ANNULAR GAP-TYPE BALL MILL FOR PULVERIZING HARD MINERAL SUBSTANCES.

Applicant : REINHOLD & STRICK GMBH & CO., OF KUNFTSTR. 4, D-5000 KOLN 91, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventors : (1) PETER FABIAN, (2) KARL-HEINZ HOFFMANN.

Application No. 667/Mas/85 filed August 28, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

15 Claims

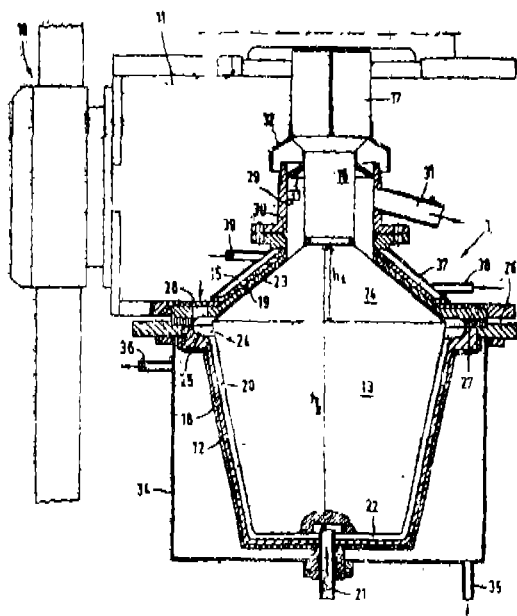
Annular gap-type ball mill for continuously pulverizing hard mineral substances and the like, comprising :

an upright grinding container closed by a cover;

a rotor housed in said container and having a cone-shaped outer surface, the inner surface of the grinding container also being cone-shaped such that the inner surface and outer surface define a grinding gap communicating with a feed aperture and containing grinding pellets;

the rotor having a top portion being adapted in its shape to the surface of the cover and including in its range an outlet opening, characterized in that

the top portion of said rotor and said cover being cone-shaped and defining an annular discharge gap whose lower, maximum diameter end terminates in an annular chamber at the open upper, maximum diameter end of the grinding gap.



Compl. specn. 17 pages

Drg. 2 sheets

Int. CLASS⁴ : C 09 D 11/14

165879

PRINT PASTE COMPOSITION.

Applicant : KELCO/AIL INTERNATIONAL LTD., A CORPORATION ORGANIZED UNDER THE LAWS OF THE UNITED KINGDOM, OF 22 HENRIETTA STREET, LONDON WC2E8 NB, ENGLAND.

Inventors : (1) KENNETH CLARE, (2) WILLIAM GIBSON.

Application No. 668/Mas/85 filed August 28, 1985.

Convention date : August 30, 1984; (No. 8421957; United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims. No drawing

A print paste composition comprising :

a pigment, either anionic dye or non-ionic dye, and 10 to 90% by weight of a mixture of (A) a blend of a hydrocolloid selected from the group consisting of guar, oxidized guar, carboxymethyl guar depolymerized guar, hydroxyalkyl guar, polyvinyl alcohol, carboxymethyl cellulose, xanthan gum, cold water soluble locust bean gum, cold water soluble starch, hydroxyethylated starch, and hydroxypropylated starch and a calcium, barium, or strontium salt wherein the ratio of salt to hydrocolloid ranges from 10 : 1 to 1 : 20 by weight and (B) a soluble alginate wherein the ratio of A : B is kept such that the divalent cation level present is equal to the amount theoretically necessary to convert 16 to 60% of the soluble alginate to the desired mixed alginate salt.

Compl. specn. 17 pages.

Int. CLASS⁴ : C 06 C 15/00

165880

PROCESS FOR MAKING DESENSITIZED PULVERULENT RED PHOSPHORUS.

Applicant : HOECHST AKTIENGESellschaft, OF D 6230, FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY; A CORPORATION ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) HORST STAENDEKE, (2) URSUS THUMMLER.

Application No. 684/Mas/85 filed September 2, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

Process for making desensitized pulverulent red phosphorus characterized in introducing 2 to 0.05 mass % of aqueous emulsion of di-2-ethyl-hexylphthalate into 98 to 99.95 mass % of aqueous suspension of the red phosphorus consisting

of particles with a size of 0.0001 mm upto 0.5 mm after adjusting the pH value of the said aqueous suspension within the pH value of the said aqueous suspension within the range of 5 to 9, stirring the suspension over a period of 0.5 to 3 hours at a temperature of 20 to 90°C, filtering the desensitized red phosphorus and drying it at a temperature of 80 to 120°C.

Compl. specn. 12 pages.

Int. CLASS : G 06 f 7/00

165881

AN APPARATUS FOR ACHIEVING MASTERLESS SERIES BUS OCCUPATION CONTROL.

Applicant : (1) HITACHI ENGINEERING CO. LTD., OF 2-1, SAIWAICHO-3-CHOME, HITACHI-SHI, IBARA-KI-KEN, JAPAN; AND (2) HITACHI, LTD., OF 6, KANDA SURUGADAI 4-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) HIROMASA YAMAOKA, (2) AKIHIRO WAKITA, (3) JUNJU SAITO, (4) YASUHIRO TENNICH, (5) KAZUHIKO SHIMOYAMA.

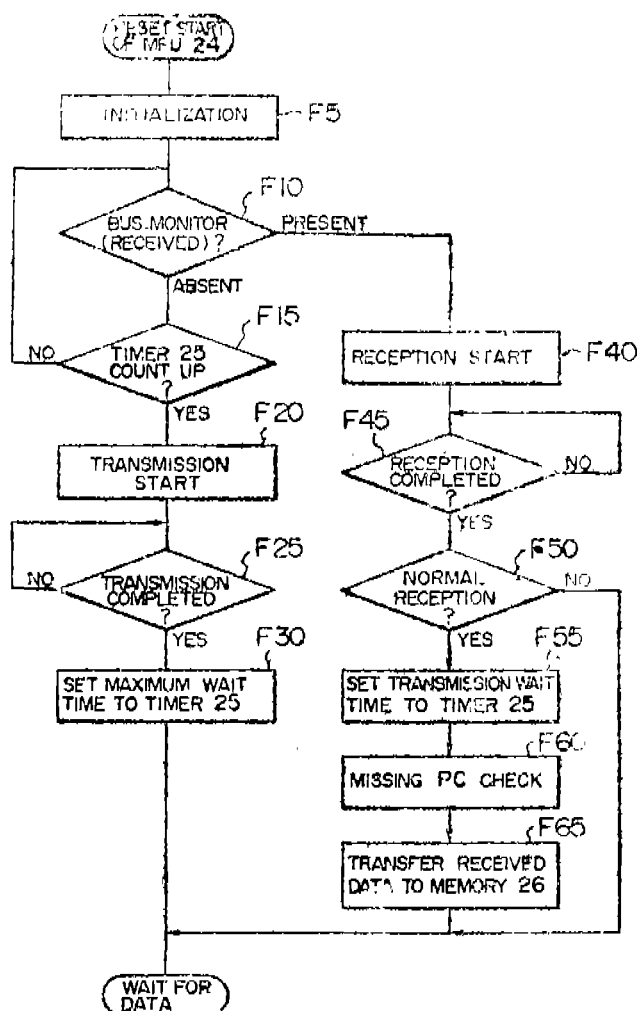
Application No. 5/Cal/1987 filed January 01, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

An apparatus for effecting a masterless series bus occupation control in a system where a plurality of processors are connected to a common bus and the processors cyclically transmit data to the common bus, wherein each said processor comprises :

- a memory for storing a processing program and data;
- a microprocessing unit (MPU) for reading and executing the processing program stored in said memory;
- a process input/output control circuit for transferring an execution result of said MPU to means to be processed and for causing said MPU to receive an information from the means to be processed;
- a series bus input/output circuit connected to the common bus for receiving a receive data from other processor, for transmitting the receive data to said MPU, for receiving a send data from said MPU, and for transmitting the send data to the common bus;
- a timer for providing a number of an own processor, a transmission interval time between processors, and a transmission time of a send data to the common bus; and
- setting unit for setting, after said MPU completes receiving a receive data from other processor, a wait time to be elapsed by when said MPU transmits a send data.



Compl. specn. 17 pages

Drg. 5 sheets

CLASS : 20-B

165882

Int. Cl. : B 43 I 13/00.

FACSIMILE DRAWING INSTRUMENT.

Applicant : SHRI SAIBAL ROY OF 47, MANICKTALA MAIN ROAD, CALCUTTA-700054, WEST BENGAL, INDIA.

Inventor : SHRI SAIBAL ROY.

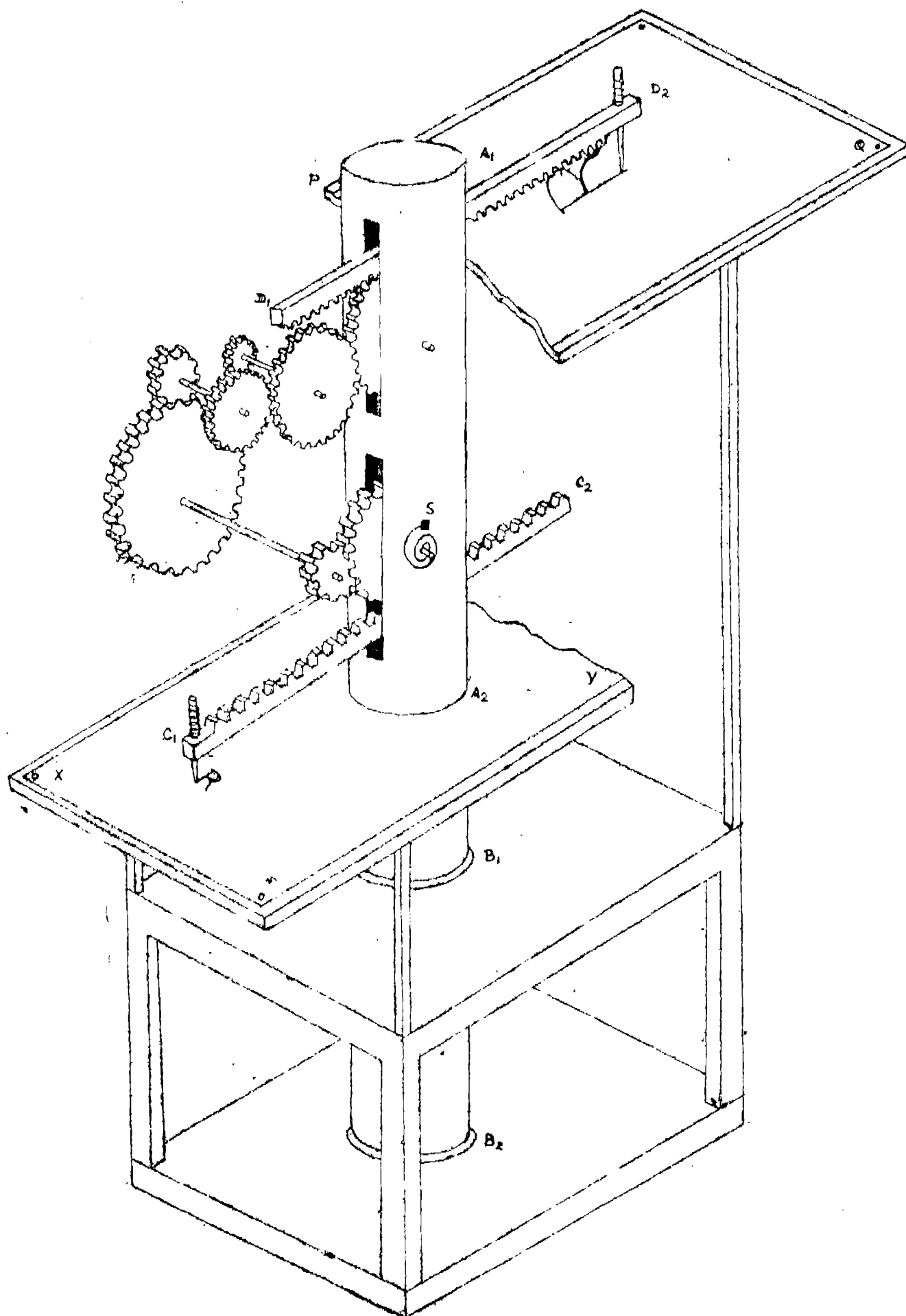
Application No. 66/Cal/1987 filed January 20, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A device for drawing reduced or magnified facsimile of any given drawing, which comprises :

- two racks, one being longer and other shorter;
- each carrying a pen or pencil at one end thereof and the two racks are coupled mechanically with each other through a gear train and all aforesaid components with their holders are mounted on an axle which is vertical to the plane of two horizontal drawing boards fixed with the said device, and the said axle has two slots;
- the said racks can move back and forth through their respective slots and the said axle passes through two ball bearings and is capable of rotating about its own vertical axis and consequently all the aforesaid components mounted to the said axle rotate with the axle.



Int. CLASS : A 47 g 29/00

165883

CLASS : 55-E₁; E₄

165884

INTERCONNECTABLE BEVERAGE CONTAINER SYSTEM.

Applicant : MICHAEL SPARLING, OF 34 TYLER STREET, ROCHESTER, NEW YORK 14621, UNITED STATES OF AMERICA.

Inventors : MICHAEL SPARLING.

Application No. 62/Cal/1987 filed January 20, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A container for beverages or the like which is connectable with a plurality of like containers without necessity of an external binding material, the containers having a longitudinal axis and comprising :

a neck portion having a sealable opening thereon and a round body portion coaxial therewith and having a generally cylindrical sidewall of a predetermined radius, and interlocking members on said sidewall for connecting the containers together;

characterized in that said interlocking members comprise a plurality of axially extending male tongue members (26) and a plurality of axially extending female groove members (24);

said tongue members (26) and said groove members (24) being spaced at regular intervals about the periphery of said body portion (12);

said tongue members (26) each having a front surface (34) situated within the radius of the body portion (12) and a pair of axially extending undercut sides (36); and

said groove members (24) each having a pair of oppositely disposed undercut axially extending projections (30) defining a void (28) therebetween, each said tongue member (26) being snugly slidable in the axial direction into the void of a respective groove member (24) of another container (10) in said cluster (50).

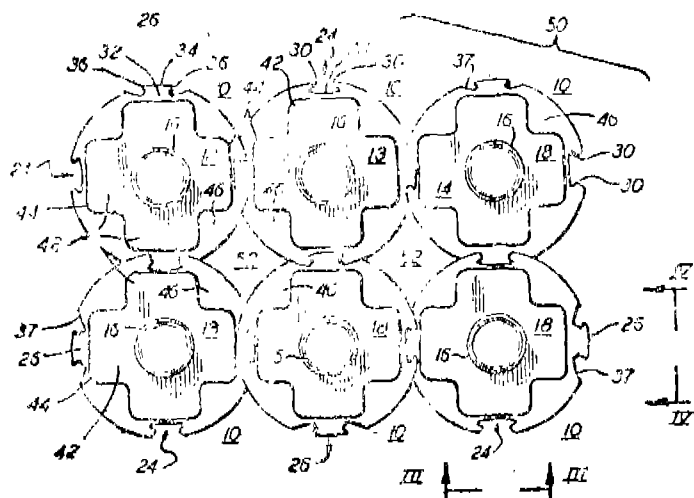


Fig. 2

Compl. specn. 11 pages
3-447 GI/89

Drg. 2 sheets

Int. Cl. : C 07 d 451/00.

PROCESS FOR THE PREPARATION OF QUARTERNARY DERIVATIVES OF NOVEL ESTERS OF N-ALKYL-NORTROPINES.

Applicant : LABORATORY GUIDOTTI SPA, OF VIA TRIESTE, 40, 56100 PISA, ITALY.

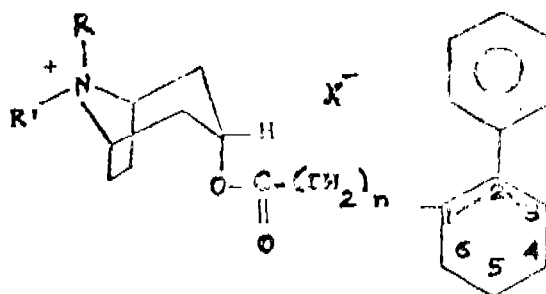
Inventors : (1) LUIGI TURBANTI, (2) GUIDO CERBALI.

Application No. 112/Cal/1987 filed February 09, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for the preparation a quarternary ammonium derivative of an ester of N-alkyl-nortropine with phenyl-cyclohexen-carboxylic and phenyl-cyclohexen-acetic acids said ester having the general formula I, of the accompanying drawings



Formula I

wherein $n=0, 1$ and when $n=0$ the double bond is in the 1-2-position, and when $n=1$ the double bond is in the 2-3 position)

$R = -CH_3, -CH_2-CH_3, -CH_2-CH_2-CH_3, -CH(CH_3)_2$

$R = -, H, -CH_3, -CH_2-CH_3, CH_2-CH_2-CH_3, -CH(CH_3)_2, CH_2-CH_2CH_2CH_3$

$X = Cl, Br, I, CH_3SO_4$

R being $-CH_3$ only if $n=1$

characterized in that :

- an alkylester or acid chloride derivative of an acid selected from the group 2-phenyl-2-cyclohexen-1-carboxylic acid and 2-phenyl-1-cyclohexen-1-acetic acid, is reacted with a basic alcohol, selected from the group comprising tropine, N-ethyl-nortropine, N-isopropyl-nortropine, N-propyl-nortropine, the reaction being carried out in an aprotic solvent;
- the resulting tertiary aminoester is isolated in a manner such as herein described from reaction solvent;
- said tertiary amino-ester is purified; and
- converted into a quarternary ammonium derivative with an alkyl halide or an alkyl sulphate.

Compl. specn. 27 pages

Drg. 4 sheets

CLASS : 40-F

165885

Int. Cl. : B 01 j 2/00 & 3/12; B 22 f 9/08.

A METHOD FOR GRANULATION OF A POWDERY MATERIAL AND APPARATUS FOR CARRYING OUT SAID PROCESS.

Applicant : WASHINGTON UNIVERSITY TECHNOLOGY ASSOCIATES, INC., OF 8204 BRENTWOOD INDUSTRIAL DRIVE, ST. LOUIS, MISSOURI 63144, UNITED STATES OF AMERICA.

Inventors : ROBERT EDWARD SPARKS, NORBERT SIMON MASON, MICHAEL CENTER.

Application No. 140/Cal/1987 filed February 23, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

24 Claims

A process for granulation of a powdery material to range size such as herein described comprising :

- (a) providing a quantity of a feed material containing a material to be granulated in fine particulate form, which material is capable of being partially or completely melted for a short period of time without deleterious effect, or a particulate material to be granulated admixed with a particulate, meltable binder;
- (b) depositing said feed material onto the central portions of the surface of a spreader means at least portions of which are maintained at a temperature at or above the melting point of the meltable component in said feed material;
- (c) rapidly spreading the feed material radially outwardly therefrom by rotating the spreader means about a central axis;
- (d) maintaining at least a portion of the feed material in contact with the heated surface of the spreader means as it moves radially outwardly to melt that portion substantially solely by contact with the heated surface to form a layer of a liquid component from the melted portion of the feed material on the surface of the spreader means;
- (e) adjusting the rate of feeding of said feed material, the energy input to the surface of the spreader

means, and the rotational speed of the spreader means so that there is sufficient time for at least partial melting of the meltable component of said feed material, but insufficient time to deleteriously affect the material to be granulated; and

- (f) discharging the material to be granulated, including droplets of liquid component, from the peripheral portions of the spreader means into an atmosphere cooler than the melting point of the meltable component of the feed material to form granules therefrom in the cooler atmosphere which are larger than the particle size of the feed material.

Compl. specn. 50 pages

Drg. 5 sheets

Int. CLASS : D 01 g 15/00

165886

THE DEVICE FOR BLENDING OF THE CARD SLIVER OR SPUNBONDED TISSUE AT A CARDING MACHINE, CARDING ENGINE OR SIMILAR THING

Applicant : TRUTZCHLER GMBH & CO. KG., OF DUVENSTR. 82-92, D-4050 MONCHENGLADBACH 3 WEST GERMANY.

Inventors : FERDINAND LEIFELD.

Application No. 177/Cal/1987 filed March 06, 1987.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

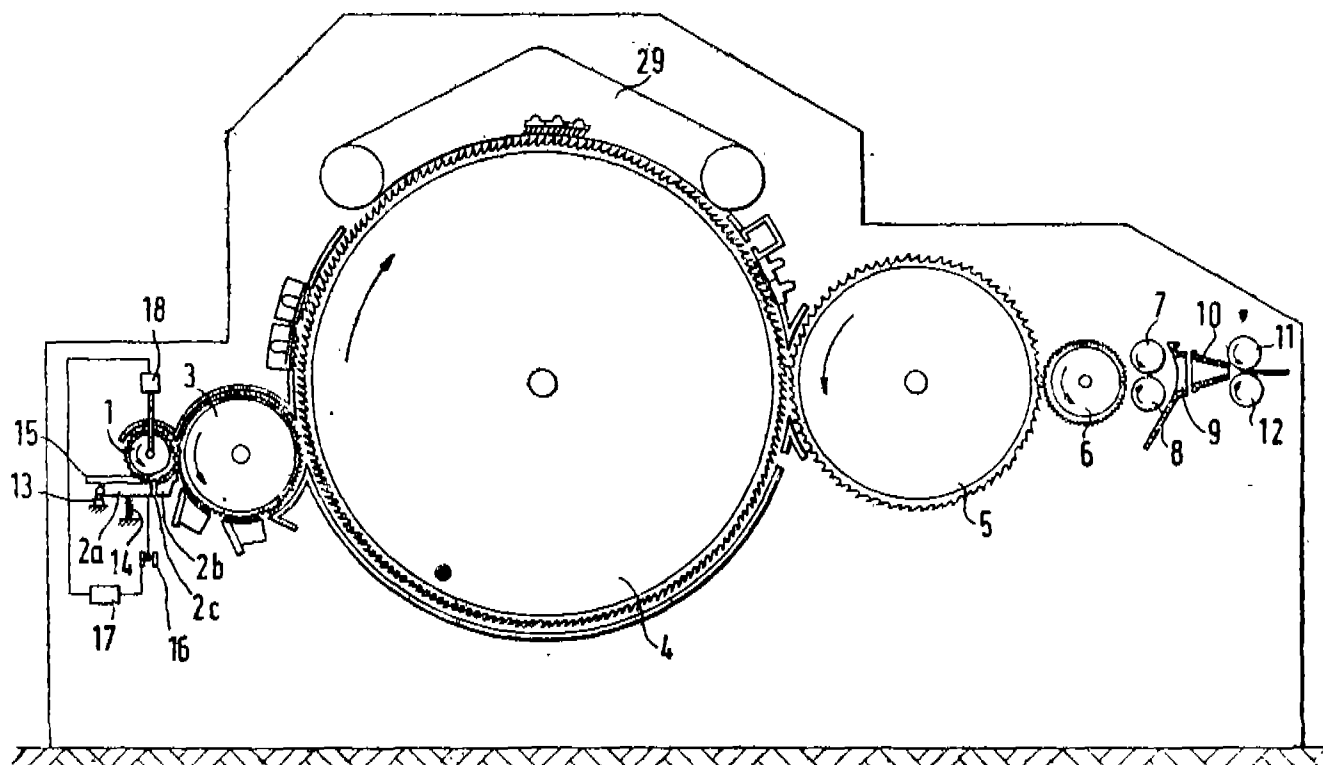
12 Claims

A device for the blending of the card sliver or spun tissues at a carding machine, carding engine or similar things with a taken-in, feed roller and a feed table which is designed in a movable way and is spring loaded for a dislocation with reference to the feed roller being dependent on the fibre quantity taken in, whereby an error sensing device is coordinated with the feed table, the error sensing device remaining in connection with the drive motor for the feed roller over a control mechanism wherein the feed table (2) has moving first part (2a) and a second part (2b), whereby the error sensing device (16; 16a, 16b) is coordinated with the first part (2a) and the second part (2b) is situated between the first part (2a) and the taker-in (3).

Compl. specn. 11 pages

Drg. 4 sheets

Fig. 1



CLASS : 5-D

165887

Fig. 1

Int. Cl. : A 01 g 25/06.

A FLEXIBLE PIPE FOR USE IN DRIP IRRIGATION SYSTEMS.

Applicant : PREMIER IRRIGATION EQUIPMENT LIMITED, OF 17/1C ALIPORE ROAD, CALCUTTA-700027, WEST BENGAL, INDIA.

Inventors: MICHAEL JOHN POOK.

Application 269/Cal/1987 filed April 02, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A flexible pipe for use in drip irrigation systems having along its length, a projection on one side or both the sides, the projection or projections having therein a plurality of labyrinthine or tortuous passages, one end of each of the passages forming an inlet, opening into the pipe and other end forming the outlet.

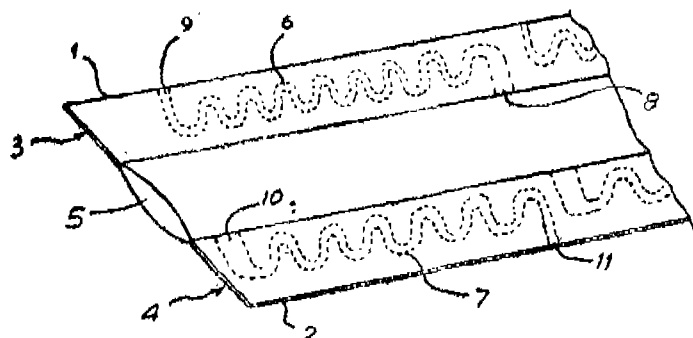


Fig. 1

Compl. specn. 8 pages

Drg. 1 sheet

CLASS : 34-C, D

165888

Int. Cl. : D 01 d 1/00; 5/00; 7/00.

CONTINUOUS FILAMENT POLYESTER YARN HAVING IMPROVED PROPERTIES.

Applicant : E.I. DU PONT DE NEMOURS AND COMPANY, LOCATED AT WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

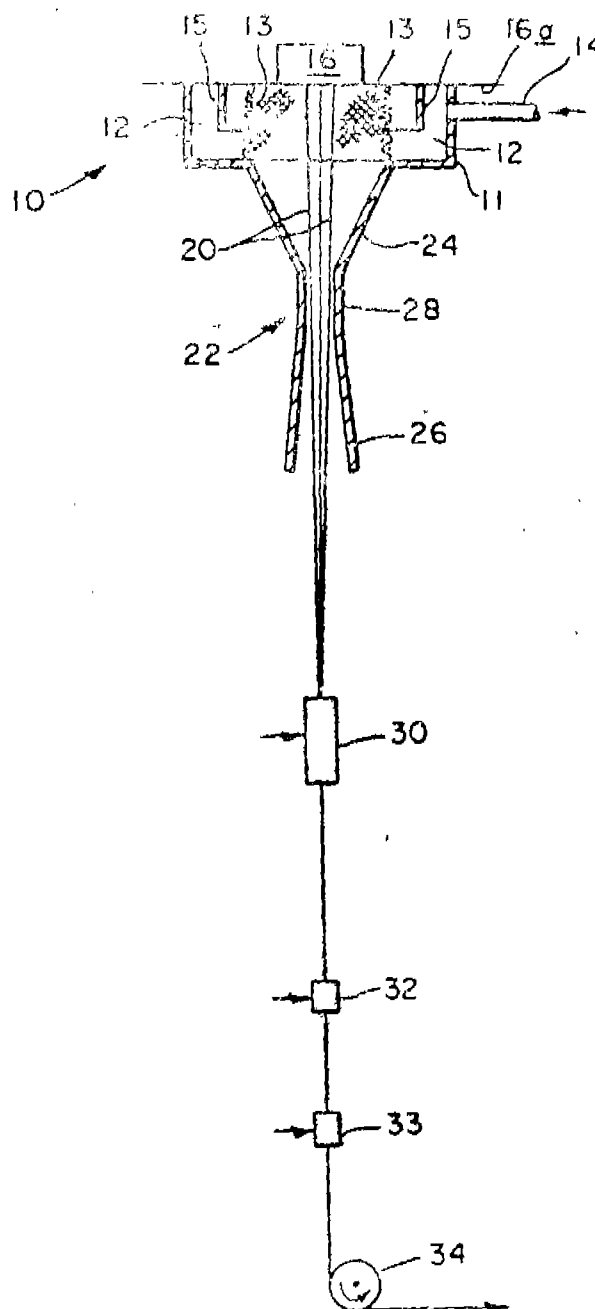
Inventors : BENJAMIN CHIATSE SZE.

Application No. 303/Cal/1987 filed April 20, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A continuous filament polyester yarn produced by the process as herein described, having a DSC endotherm temperature in the range of from 264 to 273 degrees centigrade and having a tenacity at break greater than that expressed by the relationship $t-79.89-0.278T$ wherein T is the DSC endotherm temperature in degrees centigrade and t is the tenacity at break in gram per denier.



Compl. specn. 15 pages

Drg. 2 sheets

Int. CLASS : F 23 q 13/00

165889

CONTROLLED FLOW LIQUIFIED GAS IGNITER.

Applicant : BREVAL S.A., 20, RUE DE SAINT-PIERRE, 1700 FRIBOURG, SWITZERLAND.

Inventor : CARLOS MARZABAL MARTINEZ.

Application No. 314/Cal/1987 filed April 21, 1987.

Convention date 6th June, 1986 (No. 8613795) (Great Britain).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

Controlled flow liquified gas igniter provided :

- with a reservoir and an outlet chimney, between which a flow of gas can be established;
- a support member for said outlet chimney a device for obturating the gas flow passage;
- a non-regulable gas flow limiter comprising a microporous mambrane having a peripheral zone, a central zone and an intermediate zone between said peripheral and central zone, said mambrane not permitting the flow of gas in the radial direction in its interior; and
- a first and a second retaining means between which said peripheral zone of the merbrane is held captive and hermetically fastened, characterized in that said first retaining means (22, 60) and said second retaining means (7, 64) hold captive and also hermetically fasten said central zone of the membrane (20), and in that said first retaining means (22, 60) has at least one passage (34, 37) communicating between the reservoir (1) and the membrane (20), each passage (34, 37) being narrow and having, on the membrane (20) side, a mouth (35) facing a portion of the peripheral or central zone of the membrane (20) which is in contact with said second retaining means (7, 64).

Fig. 1

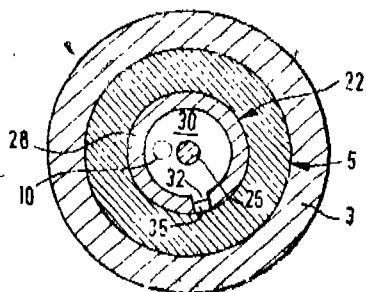
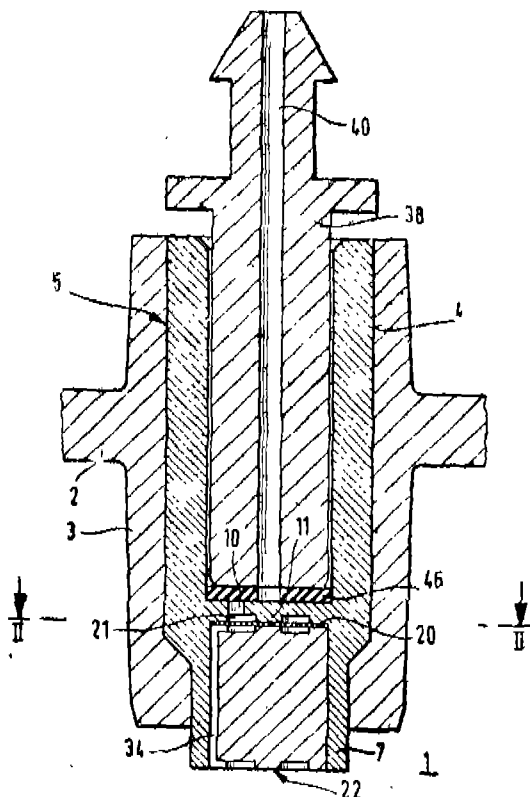


Fig. 2

Compl. specn. 26 pages

Drg. 4 sheets

CLASS : 33-D, E, F

165890

Int. Cl. : C 21 b 13/00.

SUBMERGED POURING NOZZLE FOR THE CONTINUOUS CASTING OF MOLTEN METALS ESPECIALLY LIQUID STEEL.

Applicant : THYSEN STAHl, AKTIENGESELLSCHAFT, OF KAISER-WILHELM-STRASSE 100, D-4100 DUISBURG 11, WEST GERMANY.

Inventors : (1) HERMANN LAX, (2) KARL-ULRICH KOHLER.

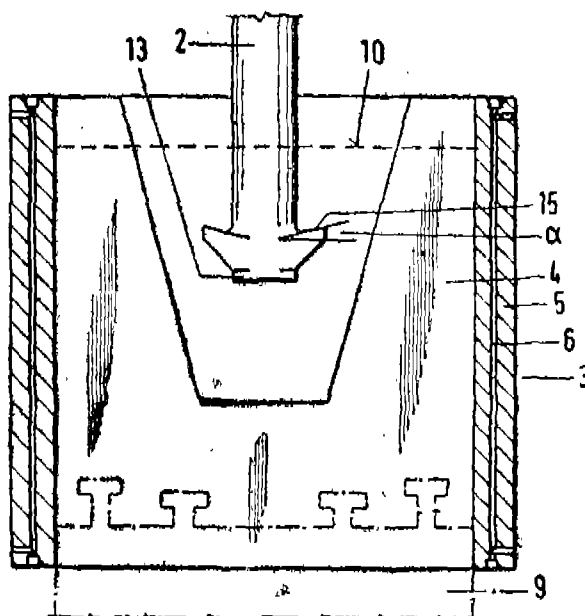
Application No. 523/CaI/1987 filed July 08, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

Submerged pouring nozzle for the continuous casting of molten metals, especially liquid steel, into thin slabs in a mould which is funnel-shaped preferably in the centre in the upper region, with outflow orifices which are located opposite one another laterally in the nozzle wall in front of a closed bottom and which face the narrow sides of the mould, characterized in that the outflow orifices have, in the upper region, a roof-shaped guide element projecting from the nozzle wall and, in the lower region, a breakway edge is formed by the nozzle bottom and/or the nozzle wall.

Fig. 1



Compl. specn. 12 pages

Drg. 2 sheets

Int. CLASS⁴ : A 61 M 25/00

165891

CATHETER FOR REMOVING BIOLOGICAL MATERIAL PARTICULARLY FROM BLOOD VESSELS BY LASER ENERGY.

Applicant : C. R. BARD, INC., OF 731 CENTRAL AVENUE, MURRAY HILL, NEW JERSEY 07974, UNITED STATES OF AMERICA, A COMPANY INCORPORATED IN THE STATE OF NEW JERSEY, U.S.A.

Inventor(s) : STEPHEN JACK HERMAN, LAURENCE ANDREW ROTH, EDWARD LAWRENCE SINOFKY & DOUGLAS WILLIAM DICKINSON.

Application for Patent No. 80/Del/86 filed on 28th January, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

19 Claims

A catheter for removing biological material particularly from blood vessels by laser energy, said catheter having :

a proximal end (16) and a distal end (14) and comprising means (30) defining a lumen (34) extending through the catheter, the lumen (34) being open at said distal end (14);

means (26, 28) at the proximal end (16) of the lumen (34) for permitting fluid communication with the lumen (34) and to permit a guide wire (12) to be received within the lumen (34);

a plurality of flexible optical conductors (42) extending longitudinally of the catheter and within the catheter wall (34);

a distal cap (52) mounted on the distal end (14) of the catheter and covering the distal end (14) of the fibers (42), the distal cap (52) having a distal surface defining an emission surface (74) and providing an optical path from the distal end of the fibers (42) to the emission surface (74);

an aperture (64) in the distal cap (52) in communication with said lumen (34);

the flexible optical conductors (42) being contained within the catheter wall (34) and being unattached except at the ends of the conductor (42);

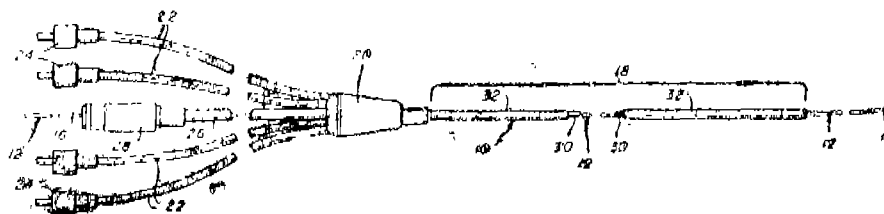
said means defining the lumen (34) being an elongate core (30) having a lumen extending therethrough;

a plurality of flutes (40) located longitudinally along the outside of the core (30);

said conductors (42) being received in and extending along said flutes (40);

a flexible sheath (34) surrounding the core (30) to retain the conductors (42) within the flutes (40);

said conductors (42), core (30) and sheath (34) being substantially unattached to each other thereby to enable the core (30), conductors and sheath (34) to shift longitudinally with respect to each other and simultaneously permit individual bending without restricting bending of the others.



Compl. specn. 29 pages

Drg. 1 sheet

Int. CLASS.: F 04 D 3/00, 29/32

165892

SCROLL TYPE COMPRESSOR.

Applicant : SANDEN CORPORATION, A JAPANESE COMPANY OF 20 KOTOBUKI-CHO, ISESAKI-SHI, GUNMA 372, JAPAN.

Inventors : KAZUO SUGIMOTO & HIDEYUKI GONDA.

Application for Patent No. 82/Del/86 filed on 29th January, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A scroll type compressor having :

a housing (1), a fixed scroll (2) fixedly disposed within said housing (1) and having a first circular end plate (22) from which a first spiral wrap extends into the interior of said housing;

an orbiting scroll (3) having a second circular end plate (31) from which a second spiral wrap extends;

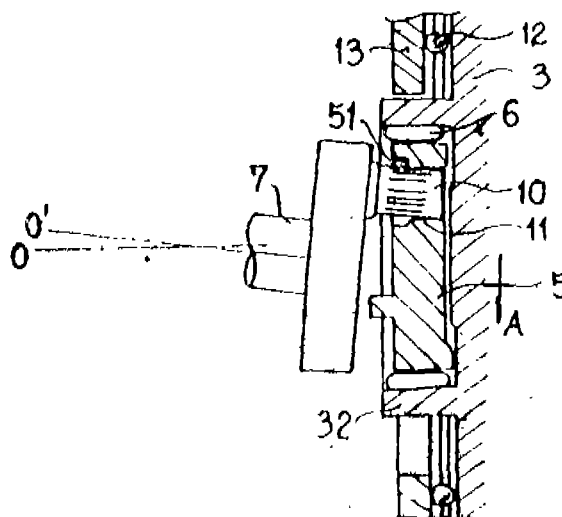
said first and second spiral wraps interfitting at an angular and radial offset to form a plurality of line contacts which define at least one pair of sealed off fluid pockets (4);

a disk shaped bushing (5) rotatably placed in a circular tubular boss (32) formed on a side opposite said second a spiral wrap of said orbiting scroll (3) and having a hole (11);

a drive shaft (7) supported within said housing (1) through a bearing (8, 9) and a crank pin (10) formed at an eccentric position on the end of said drive shaft (7) and being inserted into said hole (11) to effect the orbital motion of said orbiting scroll (3) when said drive shaft (7) is rotated;

characterised in that said crank pin (10) at the end thereof adjacent said drive shaft (7) is out of contact with the edge of said hole (11) adjacent said drive shaft (7) by said crank pin (10) having a reduced portion at said end or said edge of said hole being enlarged with respect to the rest of the hole (11) permitting said drive shaft (7) to move through a predetermined angle (0-0°) for eliminating stress and strain on said bushing (5).

Fig. 3



Compl. specn. 11 pages

Drg. 4 sheets

Ind. CLASS : 157 E

165893

Int. Cl.4 : B 61 K 7/08.

RETARDERS FOR REDUCING THE SPEED OF A WAGON ROLLING ON A RAILWAY TRACK.

Applicant : DOWTY HYDRAULIC UNITS LIMITED, A BRITISH COMPANY OF ARLE COURT, CHELTENHAM, GLOUCESTERSHIRE, ENGLAND.

Inventor(s) : DAVID EWART BICK.

Application for Patent No. 88/Del/86 filed on 30th January, 1986.

Convention date February 27, 1985/8505059/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A retarder (1) for reducing the speed of a wagon rolling on a railway track (7), said retarder (1) comprising :

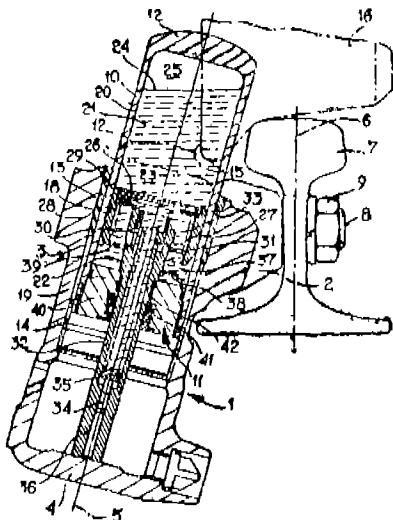
a hydraulic unit (11) having a hollow member (10);

a piston (18) mounted in said hollow member (10) so that said hollow member and said piston (18) are slidably moveable with respect to each other;

a piston rod (19) extending from said piston (18);

said hydraulic unit (11) being partially filled with a compressible hydraulic liquid (23) for enabling said piston (18) and the hollow member (10) to move with respect to each other, one end of said hydraulic unit (11) being engageable with the wheel of the wagon to effect retardation of the wagon by deflecting downwardly and permitting the wheel to pass;

the ratio of the diameter of the piston (18) to the diameter of the piston rod (19) being in the range of 2.80 : 1 to 6.00 : 1, and the ratio of the diameter of the piston to the length of the stroke of the hydraulic unit (1) being in the range of 0.53 : 1 to 1.20 : 1.



Compl. specn. 14 pages

Drg. 1 sheet

Ind. CLASS : 153

165894

Int. Cl.4 : B 24 B 53/00, 53/12.

A DRESSING ATTACHMENT FOR A GRINDING WHEEL OF A SURFACE GRINDER.

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, DELHI, HAUZ KHAS, NEW DELHI-110016, AN INDIAN INSTITUTE, INDIA.

Inventor(s) : RAJ MOHAN SINGH, KOMAL CHAND JAIN, RAJINDER NATH MITTAL.

Application for Patent No. 92/Del/86 filed on 31st January, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

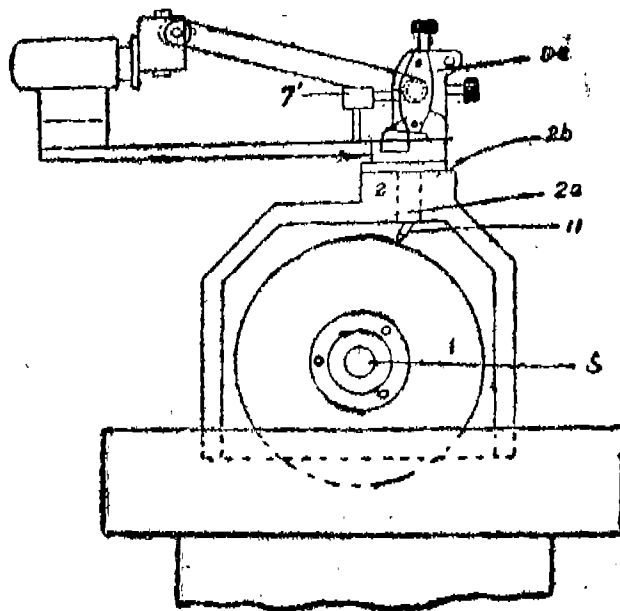
A dressing attachment for grinding wheel of a surface grinder mounted on the grinding wheel guard comprising :

a platform II;

a moveable carriage having a diamond dresser;

a guide means secured to base plate for guiding the movement of said moveable carriage;

motive means or driving means for imparting a reciprocable movement to said moveable carriage, limiting switches for preventing the movement of said moveable carriage beyond a predetermined limit secured to the base plate on either sides.



Compl. specn. 9 pages

Drg. 3 sheets

Ind. CLASS : 175A

165895

Int. Class4 : F 16 C 7/02.

FIBRE REINFORCED PLASTIC CONNECTING ROD.

Applicant : THE SECRETARY OF STATE FOR TRADE AND INDUSTRY IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND, A BRITISH CORPORATION SOLE OF 1 VICTORIA STREET, LONDON SW1H 0ET, ENGLAND.

Inventor(s) : JOSEPH DAVID ALED HUGHES, ALAN JAMES WOOTTON, WALTER ALICK LEE & ALEXANDER MARSHALL MITCHELL.

Application for Patent No. 102/Del/86 filed on 3rd February, 1986.

Convention date February, 12, 1985/8503535 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

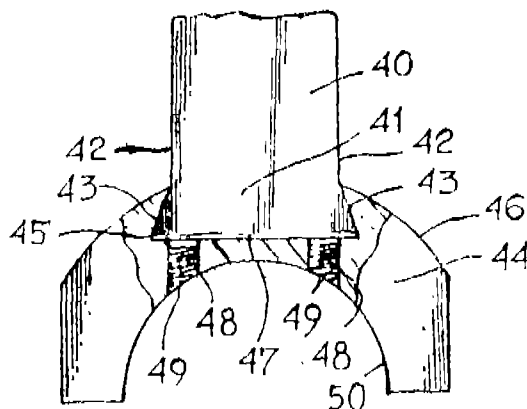
A fibre reinforced plastic connecting rod comprising :

a rod member with a small end and a big end;

a cap member and a metal member;

the cap member is secured to the rod member;

said rod member comprises a locally expanded big end which is held captive in a re-entrant recess in said metal member to rigidly attach said rod member to said metal member.



Compl. specn. 8 pages

Drg. 1 sheet

Int. CLASS⁴ : E06B 9/00

165896

Applicant : R.W. SIMON LIMITED, A BRITISH COMPANY OF SYSTEM WORKS, HATCHMOOR INDUSTRIAL ESTATE, TORRINGTON, DEVON EX38 7Hp, ENGLAND.

Inventor(s) : HENRYK DUDZIK.

Application for Patent No. 118/Del/86 filed on 12 February, 1986.

Convention date February 19, 1985/8504205/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

Ventilating apparatus (10) mountable on a glazed panel (58) the apparatus being in the form of a series of at least two elongate components (10, 59, 60), each elongate component comprising :

a body portion (11) having an inlet (39) for the passage of air therethrough;

a locating device (21) on the body portion (11) for engaging the glazed panel (58) and cowl (23) on the body portion (11) for controlling flow of air to the inlet (39) characterised in that the body portion (11) is provided with connecting means (17, 18) in the form of tabs extending at appropriate ends of the body portion (11) for connecting the body portion (11) to an identical body portion of another, identical elongate component (10, 59, 60) whereby the components (10, 59, 60) extend end to end in series;

said tabs on the body portions of said components having interengaging means to provide a capillary break (79) which prevents ingress of liquid by capillary action.

Compl. specn. 17 pages

Drg. 6 sheets

Ind. CLASS : 22, XL(2), 179G, XL(6)

165897

Int. Class⁴ : B65D, 1/20, B67B 1/08.

A DOUBLE CHAMBERED BOTTLE FOR SEPARATE STORAGE OF TWO DIFFERENT SUBSTANCES.

Applicant & Inventor : VIVEK MULL, C/o CHANDRA AGRO PVT. LTD., MULL BUILDINGS, ASHOK MARG, LUCKNOW, UTTAR PRADESH, INDIA, AN INDIAN NATIONAL.

Application for Patent No. 145/Del/86 filed on 21st February, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A double chambered bottle for separate storage of two different substances and which is allowed to be mixed when being dispensed comprising :

an upper chamber with a mouth for dispensing of the substances;

a lower chamber;

a throat or constricted passage connecting the upper chamber to the lower chamber;

a releasable member such as a plug disposed within said throat or passage, and a plunger in the mouth of the bottle at the top of said upper chamber;

the upper chamber being adapted to hold a liquid therein and the lower chamber being adapted to hold a different liquid or a powder therein;

said plunger when pressed downwardly applying a pressure on the liquid in the upper chamber and to thereby cause the said releasable member in said throat to be displaced into the lower chamber and allow the substance in the upper chamber to flow into the lower chamber and mix with the liquid or powder in the lower chamber.

Compl. specn. 6 pages

Drg. 1 sheet

Int. CLASS⁴ : F16J 9/00

165898

A REFRIGERANT COMPRESSOR.

Applicant : SANDEN CORPORATION, A JAPANESE COMPANY, OF 20 KOTOBUKI-CHO, ISESAKI-SHI, GUNMA 372, JAPAN.

Inventor(s) : HIDEHARU HATAKEYAMA & HIDE-NAO TAKAHASHI.

Application for Patent No. 149/Del/86 filed on 21st February 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A refrigerant compressor including a compressor housing having :

a plurality of cylinders and a crank chamber adjacent said cylinders;

a reciprocable piston slidably fitted within each of said cylinders;

a driving mechanism coupled to said pistons to move said pistons in a reciprocating motion;

a valve plate with valve openings covering one end of said cylinders and a cylinder head covering said valve plate and including a suction chamber and a discharge chamber aligned with said valve openings;

the improvement comprising two annular grooves provided toward opposite ends on the outer peripheral surface of each of said pistons and a conical shaped piston ring disposed within each of said annular groove;

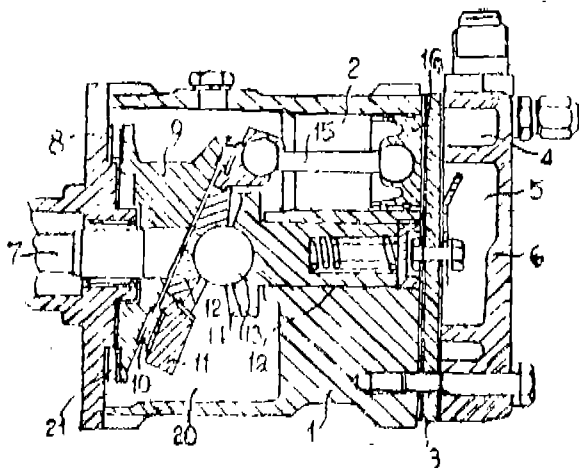
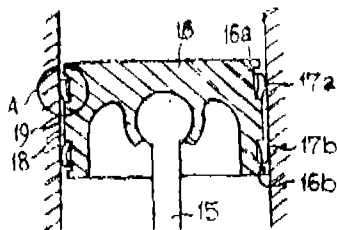
each said piston ring having an outer diameter larger than the outer diameter of said piston at normal temperatures;

each said piston ring having an outer surface facing the wall of the cylinder in which the ring is located and having an inner surface toward the center of the piston on which the ring is located;

each ring having the outer surface curved convexly in an axial direction and having the inner surface curved concavely in an axial direction;

each conical piston ring being curved so that the outer diameter of said curved surface at one end of each of said piston ring is longer than that at the other end to form the base of the conical ring, and wherein one of said piston rings on each piston is disposed on said piston with the base of said conical shaped piston ring facing said valve plate;

the thickness of each ring between the inner and outer surfaces being significantly less than half the height of the ring.



Compl. specn. 11 pages

Drg. 2 sheets

Ind. CLASS : 185 E

165899

Int. Class⁴ : A 23 F 5/12.

PROCESS FOR PRODUCING AN AGGLOMERATED INSTANT COFFEE HAVING A ROASTED AND GROUND APPEARANCE.

Applicant : GENERAL FOODS CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, LOCATED AT 250 NORTH STREET, WHITE PLAINS, NEW YORK, 10625, UNITED STATES OF AMERICA.

Application for Patent No. 161/Del/86 filed on 25th February, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

18 Claims

A process for producing an agglomerated instant coffee product having a roasted and ground appearance comprising :

- milling spray-dried instant coffee to produce a milled powder of an average particle size of 25 to 75 microns with a standard deviation of 35% to 75%;
- maintaining the cohesiveness of the powder in a manner such as herein described, so that it will flow and will bind together with slight compaction;
- forming in a manner such as herein described, a loosely bound, structurally intact cluster from the cohesive adjusted powder, said cluster having a size of 800 to 2100 microns;
- fusing in a manner such as herein described, the outer surface of the cluster to a depth of from 5 to 30 microns; and
- drying the fused clusters to produce an agglomerated instant coffee having a density of from 0.20 to 0.28 gms/cc, a hardness value of less than 8 and a color of 17 to 24 Lumetron units.

Compl. specn. 24 pages.

Int. CLASS⁴ : B65D 77/06

165900

FLEXIBLE PACKAGING CONTAINER FOR POURABLE FILLING MATERIAL.

Applicant : J C ENTERPRISES B.V., A NETHERLANDS COMPANY, OF DIAMANTSTRAAT 32, 4817 HV BERDA, THE NETHERLANDS.

Inventor(s) : ALOIS GROENER.

Application for Patent No. 162/Del/86 filed on 25th February, 1986.

Convention date January 30, 1986/8602307/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A flexible packaging container for loose filling material, in the form of a sack or bag defining a space for filling bounded at each on its two ends by a satchel bottom, block bottom or the like shaped end, wherein the shaped ends each comprise folded-in corners which are situated opposite one another in pairs and an inner folded end side

and an outer folded end side which in turn are situated opposite one another in pairs end, in the closed state of the shaped end, are stuck to one another and to the folded-in corners. one of the two shaped ends forming a bottom and the other a closable filling openings, and in which, in the empty state of the packaging container, at the opening only the inner folded end side is stuck to the two folded-in corners and the filling opening is formed by the outer folded end side which is freely hinged about its lateral fold line and which can be stuck to the end as a covering flap closing the filling opening after the filling of the filling space.

Compl. specn. 10 pages

Dwg. 1 sheet

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 161219. Appliances Pvt. Ltd., B-12 & 13, Sector 4, Noida (U.P.), India, Indian Company. "Ceiling Fans". July 25, 1989.

Class 1. No. 161230. Quality Type Foundry, of 30A, Beadon Row, Calcutta-700006, W.B., India, Indian Partnership Firm. "Fonts of Printing Types". July 31, 1989.

Class 1. No. 161251. Luna Manufacturing Co., 6966, Ahata Kidara, Pahari Dhiraj, Delhi-110006, India, an Indian Partnership Firm. "Toy". August 3, 1989.

Class 3. No. 161226. Vinod Kumar Manchanda of Vinkam Products, of 7864, Nai Basti, Bara Hindu Rao, Delhi-110006, India. Indian. "Bottle". July 26, 1989.

Class 3. No. 161293. L. V. Sham Cottage Industries, 2292/2, Inside Gate Hakiman, Amritsar-142001, Punjab, Partnership Firm. "Torch". August 11, 1989.

Class 3. No. 161350. Precise Industrial Corporation, Indian Partnership Firm, 2nd Floor, Menon Estate, S. V. Road, Near Oshiwara Bridge, Goregaon (West), Bombay-400 104, Maharashtra, India. "Telephone stand-cum-lock". August 31, 1989.

Class 3. No. 161358. Army Toys, 12A/192, Gali No. 15, Vijay Mohalla, Mauzpur, Delhi-110053, Indian Proprietary Firm. "Toy-Sten-Gun". September 4, 1989.

Class 3. No. 161371. Tekchand Damji Bheda, T. V. Enterprises, 52A, Manimahal Shop No. 9, C.P. Tank V. P. Road, Bombay-400004, Maharashtra, India. "Stirrer". September 6, 1989.

Class 3. No. 161272. Chemoleuras (P) Ltd., Thirunee-malai Road, Madras 600044, T. N., India, Indian Company. "Container". August 8, 1989.

Class 12. No. 161436. Bharat Biscuit Co. (P) Ltd., 538, Jodhpur Park, Calcutta-700068, W.B., India, Indian Company. "Biscuit". September 18, 1989.

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NOS. 154366, 154379. Class 1

Nos. 155011, 155012, 155014, 155015, 155016 & 155017. Class 3.

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Nos. 149315 & 149315. Class 1

Nos. 149316 & 149320. Class 3.

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